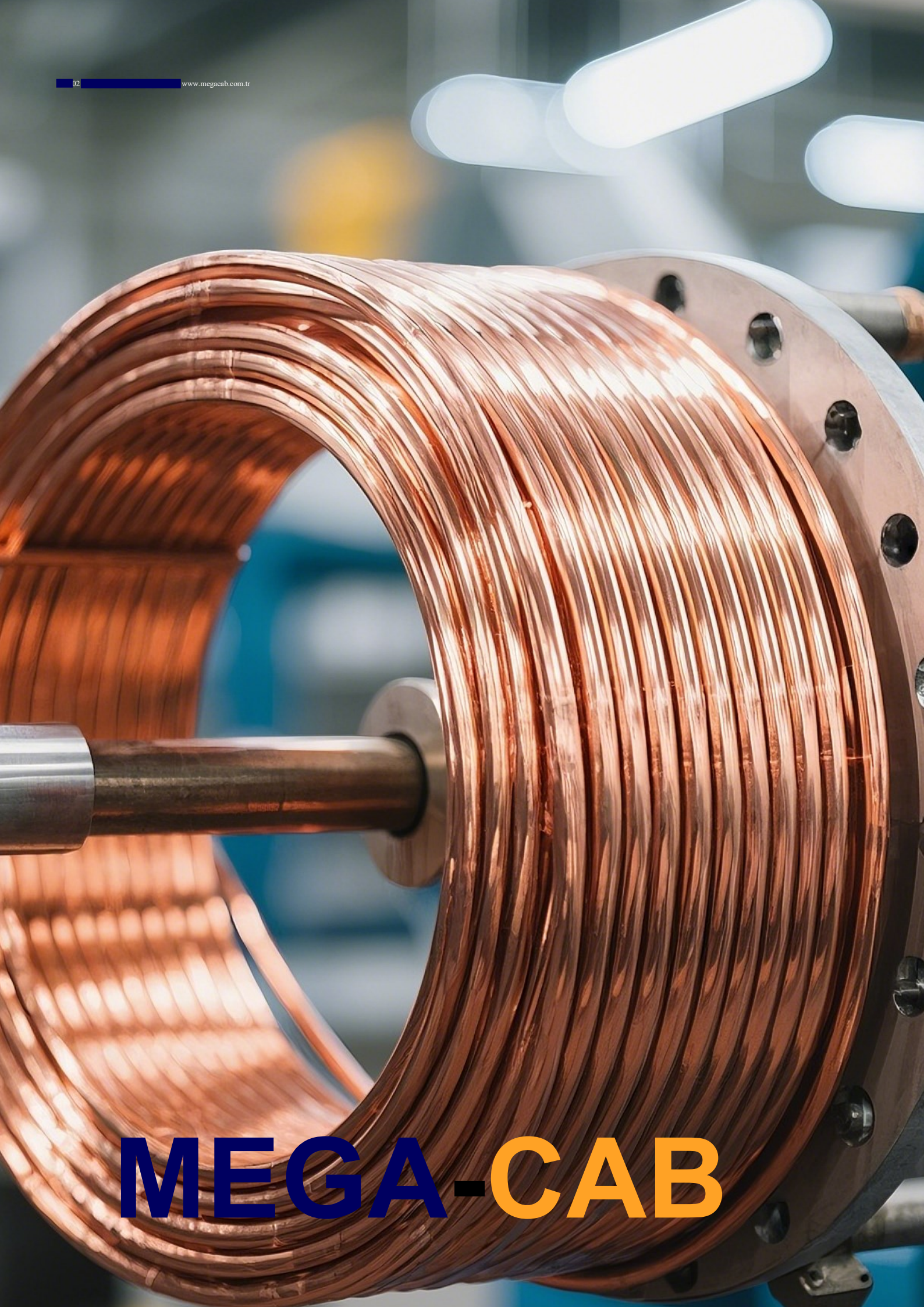


MEGA-CAB

PRODUCT CATALOG



MEGA-CAB

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CONTACT



ABOUT US

Founded in 2025 with German and Turkish engineers with more than 40 years of experience in the cable and machinery sector and young Turkish entrepreneurs, MEGACAB. is the only company in Turkey that produces armored cables and provides consultancy services to manufacturing companies.

MEGACAB has gained an important place in the sector by producing installation cables, flexible multi-core cables, antigron cables, flat-twin flat cables and 0.6/1 kV low voltage armored-unarmored power cables in Türkiye. It fulfills the requirements of ISO 9001:2015 Quality Management System standards with its organizational STRUCTURE that keeps up with developing technology.

Continuing its production in Turkey, MEGACAB continues its production with its modern machinery equipment and its own expert staff and provides consultancy services to various companies.



MEGACAB, which continues its production in Turkey, continues its production with its modern machinery equipment and its own expert staff and provides consultancy services to various companies. Thanks to the consultancy services we provide to various manufacturing companies in Russia, Uzbekistan and Türkiye, we increase the production performance and product diversity of our partners.

OUR QUALITY POLICY

MEGACAB is aware of quality , customer satisfaction and energy management are a teamwork. In this manner , its employees from top to bottom units and its suppliers/subcontractors adopt this mentality. According to this system , it provides services by committing to the fulfillment of the requirements of ISO 9001 Management System that we are implementing and to the continuous betterment of the effectiveness of its aims. Within this principle , our quality policies are as follows :

To fulfill all legal requirements and legislation ,
To ensure the continuity of the training of its employees and to establish the awareness of quality responsibility ,
To evaluate its external suppliers and subcontractors as part of the quality it creates and to ensure that the requirements of this standard are complied with ,
To ensure that production is carried out in accordance with the national and international standards in force in matters regarding production activities ,
To meet customer requests and needs above expectations within the framework of customer satisfaction principle ,
To set an example for all companies within the sector ,
To carry out energy management in accordance with the standards ,
To be a leading company in the sector that has a highly competitive power and makes maximum contribution to technological conditions.
MEGACAB realizes all its production according to the ISO 9001 Management System standards.



OUR MISSION

- In the cable sector,
- To ensure continuity in brand awareness, to protect reputation, to be a visionary company that follows sectoral developments,
 - To provide reliable service and quality products, To
 - provide safe and efficient working environment for its employees,
 - To be involved in activities that are sensitive to the environment and that will contribute to the environmental developments, to produce social benefits and to provide benefits

OUR VISION

To create differences in the circle of product, service, trust and quality, to provide permanent superiority in honest and principled competition conditions, to be an indispensable commercial stakeholder in the power cable market.

OUR VALUES



- ✓ Customer satisfaction
- ✓ Sustainable quality and trust
- ✓ Ethical behavior, honesty and transparency
- ✓ Respect for people, nature and environment
- ✓ Happiness of employees and teamwork
- ✓ Continuous improvement

CONSTRUCTION

PVC Insulated Single Core Cables

UK CODE
2491 X / 6491 XINSULATION
Polyvinyl ChlorideCONDUCTOR
Solid Copper

CODE	H05V-U / 60227 IEC 05	H07V-U / 60227 IEC 01
STANDARDS	TS EN 50525-2-31	BS EN 50525-2-31 IEC 60227-3

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 2 Kv / 2.5 kV)



Lead Free



Min. Bending Radius

D<8 4xD
8<D<12 5xD
D>12 6xD

Rated Voltage U_o/U

Flame Propagation Test on Single Cable

EN / IEC 60332-1-2

APPLICATION AREAS



It's used in fixed facilities , dry places , distribution boards and closed areas , factories , workshops and workplaces flush mounted or surface-mounted

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
H05V-U / 60227 IEC 05					
0,5	2	9	36	-	-
0,75	2,2	12	24,5	-	16
1	2,4	13	18,1	11	19
H07V-U / 60227 IEC 01					
1,5	2,7	21	12,1	14,5	24
2,5	3,2	34	7,41	19,5	32
4	3,7	50	4,61	26	42
6	4,2	71	3,08	34	54
10	5,4	116	1,83	46	73

CONSTRUCTION

PVC Insulated Single Core Cables

UK CODE
2491 X / 6491 X

① PVC INSULATION Polyvinyl Chloride

② CONDUCTOR Stranded Copper

CODE	H07V-R / 60227 IEC 01		
STANDARDS	TS EN 50525-2-31	BS EN 50525-2-31	IEC 60227-3

TECHNICAL SPECIFICATIONS

160°C Max. Short Circuit Temperature

70°C Max. Operating Temperature

Test Voltage (AC 2 Kv / 2.5 kV)

Pb Lead Free

Min. Bending Radius

D<8 4xD
8<D<12 5xD
D>12 6xD

450/750V Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS



It's used in fixed facilities , dry places , distribution boards and closed areas , factories , workshops and workplaces flush mounted or surface-mounted

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
H07V-R / 60227 IEC 01					
1,5	3	21	12,1	14,5	24
2,5	3,6	32	7,41	19,5	32
4	4,2	48	4,61	26	42
6	4,8	67	3,08	34	54
10	5,9	110	1,83	46	73
16	6,9	181	1,15	61	98
25	8,2	280	0,727	80	129
35	9,3	382	0,524	99	158
50	10,8	542	0,387	119	198
71	12,4	745	0,268	151	245
95	14,5	1010	0,193	182	292
120	15,9	1260	0,153	210	344
150	17,7	1575	0,124	240	391
185	19,8	1945	0,0991	273	448
240	22,8	2520	0,0754	320	528
300	25,2	2950	0,0601	-	-
400	31,2	3740	0,0470	-	-
500	35,6	4820	0,0366	-	-
630	37,6	6145	0,0283	-	-

CONSTRUCTION

PVC Insulated Flexible Single Core Cables

UK CODE
2491 X / 6491 X



①  INSULATION
Polyvinyl Chloride

②  CONDUCTOR
Thin Multi-Wire Copper

CODE	H05V-K / 60227 IEC 06	H07V-K / 60227 IEC 02
STANDARDS	TS EN 50525-2-31	BS EN 50525-2-31 IEC 60227-3

TECHNICAL SPECIFICATIONS

 Max. Short Circuit Temperature

 Max. Operating Temperature

 Test Voltage (AC 2 Kv / 2.5 kV)

 Lead Free

 Min. Bending Radius

D<8 4xD
8<D<12 5xD
D>12 6xD

 Rated Voltage U₀/U

 Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS



It's used in fixed facilities , dry places , distribution boards and closed areas , factories , workshops and workplaces flush mounted or surface-mounted

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
H05V-K / 60227 IEC 06					
0,5	2	9	39	-	-
0,75	2,2	12	26	-	16
1	2,4	13	19,5	11	20
H07V-K / 60227 IEC 02					
1,5	2,8	19	13,3	14,5	24
2,5	3,4	30	7,98	19,5	32
4	3,9	44	4,95	26	42
6	4,4	63	3,30	34	54
10	6,1	112	1,91	46	73
16	7,4	169	1,21	61	98
25	9	251	0,780	80	129
35	10,9	369	0,554	99	158
50	12,7	528	0,386	119	198
70	14,7	730	0,272	151	245
95	16,9	969	0,206	182	292
120	18,8	1212	0,161	210	344
150	21	1521	0,129	240	391
185	23,3	1857	0,106	273	448
240	26,6	2443	0.0801	320	528

CONSTRUCTION

PVC Insulated Heat Resistant Single Core Cables

UK CODE
2491 XHR / 6491 XHR



INSULATION
Heat Resistant Polyvinyl Chloride



CONDUCTOR
Solid or Stranded Copper

CODE	H05V2-U 60227 IEC 07	H07V2-U	H07V2-R
STANDARDS	TS EN 50525-2-31	BS EN 50525-2-31	IEC 60227-3

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 2 Kv / 2.5 kV)



Lead Free



Min. Bending Radius

D<8 4xD
8<D<12 5xD
D>12 6xD



Rated Voltage U₀/U



Flame Propagation Test on Single Cable

EN / IEC 60332-1-2

APPLICATION AREAS



It's used under conditions where the working temperature must be high (90°C), in household appliances, fixed facilities, dry places, distribution boards and closed areas, in factories, workshops and All kinds of workplaces flush mounted or surface-mounted.

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
H05V-K / 60227 IEC 06					
0,5	2	9	36	-	12
0,75	2,2	12	24,5	-	15
1	2,4	13	18,1	-	19
H07V-K / 60227 IEC 02					
1,5	2,7	21	12,1	14,5	24
2,5	3,2	34	7,41	19,5	32
4	3,7	50	4,61	26	42
6	4,2	71	3,08	34	54
10	5,4	116	1,83	46	73
16	6,9	181	1,15	61	98
25	8,2	280	0,727	80	129
35	9,3	382	0,524	99	158
50	10,8	542	0,387	119	198
70	12,4	745	0,,268	151	245
95	14,5	1010	0,193	182	292
120	15,9	1260	0,153	210	344
150	17,7	1575	0,124	240	391
185	19,8	1945	0,0991	273	448
240	22,8	2520	0,0754	320	528
300	25,2	2950	0,0601	-	-
400	31,2	3740	0,0470	-	-
500	35,6	4818	0,0366	-	-
630	37,6	6143	0,0283	-	-

CONSTRUCTION

PVC Insulated Heat Resistant Flexible Single Core Cables

UK CODE
2491 XHR / 6491 XHR



INSULATION
Heat Resistant Polyvinyl Chloride



CONDUCTOR
Thin Multi-Wire Copper

CODE	H05V2-U 60227 IEC 08	H07V2-K
STANDARDS	TS EN 50525-2-31	BS EN 50525-2-31 IEC 60227-3

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U_o/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 2 Kv / 2.5 kV)

EN / IEC 60332-1-2



Min. Bending Radius

D<8 4xD
8<D<12 5xD
D>12 6xD

APPLICATION AREAS



It's used under conditions where the working temperature must be high(90°C), in house-hold appliances, fixed facilities, dry places, distribution boards and closed areas, in factories, workshops and All kinds of workplaces flush mounted or surface-mounted.

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
H05V-K / 60227 IEC 06					
0,5	2	9	36	-	12
0,75	2,2	12	26	-	15
1	2,4	13	19,5	-	19
H07V-K / 60227 IEC 02					
1,5	2,8	19	13,3	14,5	24
2,5	3,4	30	7,98	19,5	32
4	3,9	44	4,95	26	42
6	4,4	63	3,30	34	54
10	6,1	112	1,91	46	73
16	7,4	169	1,21	61	98
25	9	251	0,780	80	129
35	10,9	369	0,554	99	158
50	12,7	528	0,386	119	198
70	14,7	730	0,272	151	245
95	16,9	969	0,206	182	292
120	18,8	1212	0,161	210	344
150	21	1521	0,129	240	391
185	23,3	1857	0,106	273	448
240	26,6	2443	0,0801	320	528

CONSTRUCTION

PVC Insulated Cold Resistant Single Core Cables



INSULATION

Cold Resistant Polyvinyl Chloride



CONDUCTOR

Solid or Stranded Copper

CODE	H05V3-U	H07V3-U	H07V3-R
STANDARDS	DIN VDE 0281-9		TS HD 21.9 S2

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U₀/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 2 Kv / 2.5 kV)

EN / IEC 60332-1-2



Min. Bending Radius

D<8 4xD
8<D<12 5xD
D>12 6xD

APPLICATION AREAS



It's used under low temperature in dry places, distribution boards and closed areas, in factories, workshops and all kinds of workplaces flush mounted or surface-mounted.

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
H05V-K / 60227 IEC 06					
0,5	2	9	36	-	-
0,75	2,2	12	24,5	-	15
1	2,3	15	18,1	11	19
H07V-K / 60227 IEC 02					
1,5	2,8	20	12,1	16	25
2,5	3,3	30	7,41	21	34
4	3,8	45	4,61	27	45
6	4,3	65	3,08	35	57
10	6	115	1,83	48	78
16	7	170	1,15	65	104
25	8,5	260	0,727	88	137
35	9,5	360	0,524	110	168
50	11	480	0,387	140	210
70	13	670	0,268	175	260
95	15	930	0,193	210	310
120	16,5	1160	0,153	250	365
150	18	1420	0,124	-	415
185	20	1780	0,0991	-	475
240	23	2330	0,0754	-	560
300	26	2930	0,0601	-	645
400	29	3750	0,0470	-	770

CONSTRUCTION

PVC Insulated Cold Resistant Flexible Single Core Cables



INSULATION
Cold Resistant Polyvinyl Chloride



CONDUCTOR
Thin Multi-Wire Copper

CODE	H05V3-K	H07V3-K
STANDARDS	DIN VDE 0281-9	TS HD 21.9 S2

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U_o/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 2 Kv / 2.5 kV)

EN / IEC 60332-1-2



Min. Bending Radius

D < 8 4xD
8 < D < 12 5xD
D > 12 6xD

APPLICATION AREAS



It's used in fixed facilities , dry places , distribution boards and closed areas , factories , workshops and workplaces flush mounted or surface-mounted

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
H05V3-K					
0,5	2	9	39	-	-
0,75	2,3	12	26	-	16
1	2,5	14	19,5	12	20
H07V-K					
1,5	3	20	13,3	15	24
2,5	3,7	33	7,98	20	32
4	4,5	50	4,95	25	42
6	5,5	70	3,30	33	54
10	6,5	120	1,91	45	73
16	7,5	180	1,21	61	98
25	10	270	0,780	83	129
35	11	360	0,554	103	158
50	13	510	0,386	132	198
70	15	700	0,272	165	245
95	17	950	0,206	197	292
120	19	1150	0,161	235	344
150	21	1450	0,129	-	391
185	23	1750	0,106	-	448
240	27	2300	0,0801	-	528

CONSTRUCTION

Halogen Free Flame Retardant Single Core Cables



INSULATION
Low Smoke Zero Halogen



CONDUCTOR
Solid or Stranded Copper

CODE	H05Z1-U	H07Z1-U	H07Z1-R
STANDARDS	TS EN 50525-3-31		BS EN 50525-3-31

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U_o/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 2 Kv / 2.5 kV)

EN / IEC 60332-1-2



Low Smoke Density (EN 61034-2)



Halogen Free (EN 60754-1 / EN 60754-2)



Min. Bending Radius

D < 8 4xD
8 < D < 12 5xD
D > 12 6xD

APPLICATION AREAS



It's used in refineries , hotels , schools i tunnels , high buildings , Hospitals data processing centers and business centers where people are Concentrated as well as in fire-sensitive areas.

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
H05Z1-U					
0,5	2	9	36	3	12
0,75	2,2	13	24,5	6	15
1	2,4	16	18,1	11	19
H07Z1-U / H07Z1-R					
1,5	2,7	21	12,1	14,5	24
2,5	3,3	34	7,41	19,5	32
4	3,7	50	4,61	26	42
6	4,2	71	3,08	34	54
10-U	5,4	116	1,83	46	73
10-R	6	116	1,83	46	73
16	7	168	1,15	61	98
25	8,8	258	0,727	80	129
35	9,5	346	0,524	99	158
50	11	468	0,387	119	198
70	12,5	660	0,268	151	245
95	15	910	0,193	172	292
120	16,5	1140	0,153	210	344
150	18	1405	0,124	240	391
185	20	1745	0,0991	273	448
240	23	2205	0,0754	320	528
300	27,6	2995	0,0601	-	645
400	31.3	3000	0.0470	-	770

CONSTRUCTION

Halogen Free Flame Retardant Flexible Single Core Cables



INSULATION
Low Smoke Zero Halogen



CONDUCTOR
Thin Multi-Wire Copper

CODE	H05Z1-K	H07Z1-K
STANDARDS	TS EN 50525-3-31	BS EN 50525-3-31

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 2 Kv / 2.5 kV)



Low Smoke Density (EN 61034-2)



Min. Bending Radius

D<8 4xD
8<D<12 5xD
D>12 6xD



Rated Voltage U₀/U



Flame Propagation Test on Single Cable

EN / IEC 60332-1-2



Halogen Free (EN 60754-1 / EN 60754-2)

APPLICATION AREAS



It's used in refineries , hotels , schools , tunnels , high buildings , Hospitals data processing centers and business centers where people are Concentrated as well as in fire-sensitive areas.

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
H05Z1-K					
0,5	2	9	36	3	12
0,75	2,2	13	24,5	6	15
1	2,4	16	18,1	11	19
H07Z1-K					
1,5	3	19	13,3	14,5	24
2,5	3,5	30	7,98	19,5	32
4	4	44	4,95	26	42
6	4,5	61	3,30	34	54
10	6	105	1,91	46	73
16	7	158	1,21	61	98
25	9	253	0,780	80	129
35	10,5	345	0,554	99	158
50	12,5	495	0,386	119	198
70	14	670	0,272	151	245
95	16	905	0,206	182	292
120	17,5	1132	0,161	210	344
150	20	1415	0,129	240	391
185	21,5	1720	0,106	273	448
240	24	2255	0,0801	320	528

CONSTRUCTION

PVC Insulated Multi-Core Flexible Cables

UK KODU
2182Y / 2183Y / 2184Y



① PVC INSULATION
Polyvinyl Chloride

② CONDUCTOR
Thin Multi-Wire Copper

③ PVC INSULATION
Polyvinyl Chloride

CODE	H03VV-F		
STANDARDS	TS EN 50525-2-11	BS EN 50525-2-11	IEC 60227-5

TECHNICAL SPECIFICATIONS

150°C Max. Short Circuit Temperature

60°C Max. Operating Temperature

Test Voltage (AC 2 Kv)

Pb Lead Free

300/300V Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

Min. Bending Radius
D ≤ 12 5xD
D > 12 6xD

APPLICATION AREAS



It's used as a connecting cable in damp places with little mechanical force and generally in household appliances.

TECHNICAL DATA Cu/PVC/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
H03VV-F / 60227 IEC 52				
2x0,50	5	36	39	3
2x0,75	5,5	46	26	6
3x0,50	5,3	43	39	3
3x0,75	5,8	54	26	6
4x0,50	5,8	53	39	3
4x0,75	6,4	68	26	6

CONSTRUCTION

PVC Insulated Multi-Core Flexible Cables

UK CODE
3182Y / 3183Y
3184Y / 3185Y



①  **INSULATION**
Polyvinyl Chloride

②  **CONDUCTOR**
Thin Multi-Wire Copper

③  **OUTER SHEATH**
Polyvinyl Chloride

CODE	H05VV-F / 60227 IEC 53		
STANDARDS	TS EN 50525-2-11	BS EN 50525-2-11	IEC 60227-5

TECHNICAL SPECIFICATIONS

 Max. Short Circuit Temperature

 Max. Operating Temperature

 Test Voltage (AC 2 Kv)

 Lead Free

 Rated Voltage U₀/U

 Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

 Min. Bending Radius
D ≤ 12 5xD
D > 12 6xD

APPLICATION AREAS



It's used as a connection cable in damp places with little mechanical force and generally in household appliances.

TECHNICAL DATA

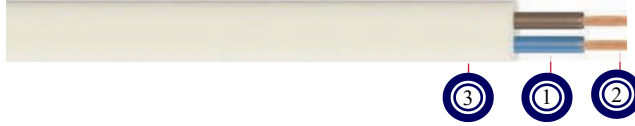
Cu/PVC/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
H05VV-F / 60227 IEC 53				
2x0,75	5,9	55	26	6
2x1	6,3	64	19,5	10
2x1,5	7,2	87	13,3	16
2x2,5	8,9	133	7,98	25
2x4	10,9	184	4,95	32
3x0,75	6,3	65	26	6
3x1	6,7	75	19,5	10
3x1,5	7,8	106	13,3	16
3x2,5	9,6	163	7,98	25
3x4	11	226	4,95	32
4x0,75	6,8	77	26	6
4x1	7,4	93	19,5	10
4x1,5	8,7	131	13,3	16
4x2,5	10,5	197	7,98	25
4x4	12	275	4,95	32
5x0,75	7,8	97	26	6
5x1	8,3	113	19,5	10
5x1,5	9,9	164	13,3	16
5x2,5	12,8	248	7,98	25
5x4	13.6	347	4.95	32

CONSTRUCTION

UK KODU
2192Y / 3192Y

PVC Insulated Flexible Flat Cables



① **INSULATION**
Polyvinyl Chloride

② **CONDUCTOR**
Thin Multi-Wire Copper

③ **OUTER SHEATH**
Polyvinyl Chloride

CODE	H03VVH2-F / 60227 IEC 52	H05VVH2-F / 60227 IEC 53
STANDARDS	TS EN 50525-2-11	BS EN 50525-2-11 IEC 60227-5

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 2 Kv)

Lead Free

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

Min. Bending Radius
D ≤ 12 5xD
D > 12 6xD

APPLICATION AREAS



It's used as a connection cable in damp places with little mechanical force and generally in household appliances.

TECHNICAL DATA

Cu/PVC/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
H03VVH2-F / 60227 IEC 52				
2x0,50	3,1x0,50	30	39	3
2x0,75	3,4x5,5	37	26	6
H05VVH2-F / 60227 IEC 53				
2x0,75	4x6,3	47	26	6
2x1	4,1x6,6	54	19,5	10
2x1,5	4,7x7,6	73	13,3	16
2x2,5	5,6x9,1	108	7,98	25
2x4	6,3x10,4	150	4,95	32
3x0,75	4x8,7	66	26	6
3x1	4,1x9,1	76	19,5	10
3x1,5	4,7x10,5	103	13,3	16
3x2,5	5,8x12,9	158	7,98	25
3x4	6,5x14,7	220	4,95	32

CONSTRUCTION

PVC Flexible Unsheathed Cord



INSULATION
Polyvinyl Chloride

2



CONDUCTOR
Thin Multi-Wire Copper

CODE

A03VH-H

A05VH-H

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 2 Kv)



Lead Free



Rated Voltage U_o/U



Flame Propagation Test on Single Cable

EN / IEC 60332-1-2



Min. Bending Radius

D ≤ 12
D > 12

5xD
6xD

APPLICATION AREAS



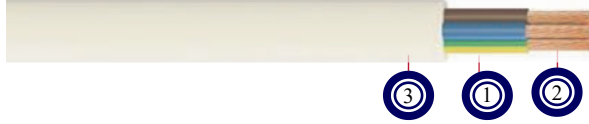
Devices with little mechanical force and operating in dry places.

TECHNICAL DATA Cu/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
A03VH-H				
2x0,50	2,5x5	22	39	3
2x0,75	2,7x5,5	29	26	6
A05VH-H				
2x1	3,1x6,4	36	19,5	10
2x1,5	3,4x7,0	46	13,3	16
2x2,5	3,8x7,8	65	7,98	25
2x4	4,5x9,2	99	4,95	32
2x6	5,3x10,8	142	3,3	40

CONSTRUCTION

PVC Insulated Heat Resistant Flexible Multi-Core Cables



INSULATION
High Temperature Resistant
Polyvinyl Chloride

2



CONDUCTOR
Thin Multi-Wire Copper



OUTER SHEATH
High Temperature Resistant
Polyvinyl Chloride

CODE	H03V2V2-F / 60227 IEC 56		H05V2V2-F / 60227 IEC 57
STANDARDS	TS EN 50525-2-11	BS EN 50525-2-11	IEC 60227-5

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (2 Kv)



Lead Free

It's used as a connection cable in damp places with little mechanical force and generally in household appliances.



Rated Voltage U₀/U



Flame Propagation Test on Single Cable

EN / IEC 60332-1-2



Min. Bending Radius

D ≤ 12
D > 12

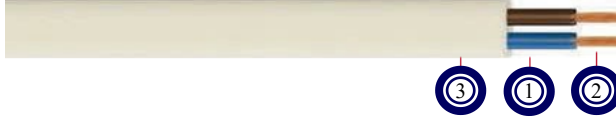
5xD
6xD

TECHNICAL DATA Cu/HR-PVC/HR-PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
H03V2V2-F / 60227 IEC 56				
2x0,50	5	37	39	3
2x0,75	5,5	46	26	6
3x0,50	5,3	43	39	3
3x0,75	6,3	61	26	6
4x0,50	5,8	53	39	3
4x0,75	6,4	68	26	6
H05V2V2-F / 60227 IEC 57				
2x0,75	6,3	57	26	6
2x1	6,6	65	19,5	10
2x1,5	7,4	84	13,3	16
2x2,5	9,1	130	7,98	25
2x4	10,4	179	4,95	32
3x0,75	6,7	68	26	6
3x1	7	78	19,5	10
3x1,5	8,1	106	13,3	16
3x2,5	9,9	163	7,98	25
3x4	11,3	227	4,95	32
4x0,75	7,3	87	26	6
4x1	7,9	100	19,5	10
4x1,5	9	134	13,3	16
4x2,5	10,8	201	8,0	25
4x4	12,3	280	4,95	32
5x0,75	8,1	102	26	6
5x1	8,6	120	19,5	10
5x1,5	10	166	13,3	16
5x2,5	12	249	7,98	25
5x4	13.9	355	4.95	32

CONSTRUCTION

PVC Insulated Heat Resistant Flexible Flat Cables



INSULATION
High Temperature Resistant
Polyvinyl Chloride

2



CONDUCTOR
Thin Multi-Wire Copper



OUTER SHEATH
High Temperature Resistant
Polyvinyl Chloride

CODE	H03V2V2H2-F / 60227 IEC 56	H05V2V2H2-F / 60227 IEC 57
STANDARDS	TS EN 50525-2-11	BS EN 50525-2-11 IEC 60227-5

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U₀/U



Max. Operating Temperature



Single Cable Vertical Flame Spread Test



Test Voltage (AC 2 Kv)

EN / IEC 60332-1-2



Min. Bending Radius

D ≤ 12 5xD
D > 12 6xD

APPLICATION AREAS



It's used in low-voltage household appliances with little mechanical stress at high temperatures.

TECHNICAL DATA Cu/HR-PVC/HR-PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
H03V2V2H2-F / 60227 IEC 56				
2x0,50	3,1x5	30	39	3
2x0,75	3,4x5,5	37	26	6
H05V2V2H2-F / 60227 IEC 57				
2x0,75	4x6,3	47	26	6
2x1	4,1x6,6	54	19,5	10
2x1,5	4,5x7,4	70	13,3	16

CONSTRUCTION

3182A / 3183A
3184A / 3185A

PVC Insulated Cold Resistant Flexible
Cable



①  **INSULATION**
Cold Resistant
Polyvinyl Chloride

②  **CONDUCTOR**
Thin Multi-Wire Copper

③  **OUTER SHEATH**
Cold Resistant
Polyvinyl Chloride

CODE	A05V3V3-F
STANDARDS	BS 6004

TECHNICAL SPECIFICATIONS

 Max. Short Circuit Temperature

 Rated Voltage U₀/U

 Max. Operating Temperature

 Single Cable Vertical Flame Spread Test
EN / IEC 60332-1-2

 Test Voltage (AC 2 Kv)

 Min. Bending Radius
D ≤ 12 5xD
D > 12 6xD

It's used in low-voltage household appliances with little mechanical stress at high temperatures.



APPLICATION AREAS

TECHNICAL DATA Cu/HR-PVC/HR-PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
A05V3V3-F				
2x0,75	6,3	57	26	6
2x1	6,6	65	19,5	10
2x1,5	7,8	91	13,3	16
2x2,5	9,1	130	7,98	25
2x4	10,6	184	4,95	32
3x0,75	6,7	68	26	6
3x1	7	78	19,5	10
3x1,5	8,1	106	13,30	16
3x2,5	9,9	163	7,98	25
3x4	11,3	227	4,95	32
4x0,75	7,3	82	26	6
4x1	7,9	100	19,5	10
4x1,5	9	134	13,3	16
4x2,5	10,8	200	7,98	25
4x4	12,3	280	4,95	32
5x0,75	8,1	102	26	6
5x1	8,6	120	19,5	10
5x1,5	10	166	13,3	16
5x2,5	12	249	7,98	25
5x4	13.9	355	4.95	32

CONSTRUCTION

Halogen Free Flame Retardant Flexible Cable



① **INSULATION**
Low Smoke Zero Halogen

② **CONDUCTOR**
Thin Multi-Wire Copper

③ **OUTER SHEATH**
Low Smoke Zero Halogen

CODE	H03Z1Z1-F / 62821 IEC 101	H05Z1Z1-F / 62821 IEC 102
STANDARDS	TS EN 50525-3-11	BS EN 50525-3-11 IEC 62821-3

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 2 Kv)

Low Smoke Density (EN 61034-2)

Min. Bending Radius

D<8 4xD
8<D<12 5xD
D>12 6xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

Halogen Free (EN 60754-1 / EN 60754-2)

It's used in refineries , hotels , schools , tunnels , high buildings , Hospitals data processing centers and business centers where people are Concentrated as well as in fire-sensitive areas.



TECHNICAL DATA Cu/LSZH/LSZH

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
H03Z1Z1-F / 62821 IEC 101				
2x0,5	5	40	39	3
2x0,75	5,5	50	26	6
3x0,50	5,3	44	39	3
3x0,75	5,8	54	26	6
4x0,50	5,8	54	39	3
4x0,75	6,4	68	26	6
H05Z1Z1-F / 62821 IEC 102				
2x0,75	6,3	57	26	6
2x1	6,6	65	19,5	10
2x1,5	7,4	84	13,3	16
2x2,5	9,1	130	7,98	25
2x4	10,4	180	4,95	32
3x0,75	6,7	68	26	6
3x1	7	78	19,5	10
3x1,5	8,1	107	13,3	16
3x2,5	9,9	164	7,98	25
3x4	11,3	278	4,95	32
4x0,75	7,3	83	26,0	6
4x1	7,9	101	19,5	10
4x1,5	9	134	13,3	16
4x2,5	10,8	201	8	25
4x4	12,3	281	4,95	32
5x0,75	8,1	107	26	6
5x1	8,6	121	19,5	10
5x1,5	10	166	13,3	16
5x2,5	12	250	7,98	25
5x4	13,9	366	4,95	32

CONSTRUCTION

PVC Insulated PVC Sheathed Cables

UK CODE
6181 Y



INSULATION
Polyvinly Chloride



CONDUCTOR
Solid or Stranded
Copper



OUTER SHEATH
Polyvinly Chloride

CODE	Cu/PVC/PVC - 6181 Y
STANDARDS	BS 6004 IEC 60502-1

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U_o/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 2 Kv / 3,5 kV)

EN / IEC 60332-1-2



Lead Free



Min. Bending Radius

D ≤ 25 mm² 8xD
D > 25 mm² 12xD

APPLICATION AREAS



It's used in flush-mounted channels and boards.

TECHNICAL DATA

Cu/PVC/PVC

re: Solid Conductor
rm: Stranded Conductor
* 300/500 V

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
6181Y				
1*re	3,9	26	18,1	13,5
1,5*re	4,4	33	12,1	17,5
2,5*re	5	46	7,41	24
4*rm	6	69	4,61	32
6*rm	6,5	89	3,08	41
10*rm	7,8	139	1,83	57
16*	9,1	207	1,15	76
25*	11	312	0,727	101
35*	12,1	410	0,524	125
50	13,8	557	0,387	151
70	15,6	71	0,268	192
95	18,2	1060	0,193	232
120	19,9	1307	0,153	269
150	21,8	1599	0,124	300
185	23,8	1977	0,0991	341
240	27,8	2608	0,0754	400
300	32.5	3355	0,0601	458

CONSTRUCTION

UK CODE
6381 Y

PVC Insulated PVC Sheathed Flexible Cables



① PVC INSULATION
Polyvinyl Chloride

② CONDUCTOR
Thin Multi-Wire Copper

③ PVC OUTER SHEATH
Polyvinyl Chloride

CODE	Cu/PVC/PVC - 6381 Y
STANDARDS	Gen.to BS 6004 IEC 60502-1

TECHNICAL SPECIFICATIONS

160°C Max. Short Circuit Temperature

70°C Max. Operating Temperature

Test Voltage (AC 2 Kv / 3,5 kV)

Pb Lead Free

Min. Bending Radius
 $D \leq 25 \text{ mm}^2$ 8xD
 $D > 25 \text{ mm}^2$ 12xD

300/500V
600/1000V Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

It's used in flush-mounted channels and boards.

* 450/750 V

TECHNICAL DATA		Cu/PVC/PVC		
Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
6381 Y				
4*	6,9	82	4,95	32
6*	7,4	104	3,3	41
10*	8,9	157	1,91	57
16*	10	220	1,21	76
25*	12,2	330	0,780	101
35*	13,4	431	0,554	125
50	14,9	575	0,386	151
70	16,6	764	0,272	192
95	19,5	1033	0,206	232
120	20,6	1265	0,161	269
150	23	1572	0,129	300
185	26,2	1931	0,106	341
240	29	2470	0,0801	400
300	31,8	3067	0,0641	458
400	39,2	4148	0,0486	546

CONSTRUCTION

XLPE Insulated PVC Sheathed Cables

UK CODE
6181 Y



INSULATION
Cross-Linked
Polyethylene



CONDUCTOR
Solid or Stranded
Copper



OUTER SHEATH
Polyvinyl Chloride

CODE	Cu/XLPE/PVC - 6181 XY
STANDARDS	BS 7889 IEC 60502-1

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 3,5 kV)



Lead Free



Min. Bending Radius

$D \leq 25 \text{ mm}^2$ 4xD
 $D > 25 \text{ mm}^2$ 6xD



Rated Voltage U_o/U



Flame Propagation Test on Single Cable

EN / IEC 60332-1-2

APPLICATION AREAS



It's used in flush-mounted channels and boards.

TECHNICAL DATA

Cu/XLPE/PVC

Nominal Cross Section (mm ²)	Cable Overall Diameter (mm)	Approximate Net Weight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
6181 XY				
1,5	4,4	31	12,1	23
2,5	4,8	42	7,41	51
4	5,7	43	4,61	42
6	6,2	83	3,08	54
10	7,1	124	1,83	75
16	8,4	188	1,15	100
25	9,9	281	0,727	133
35	10,9	374	0,524	164
50	13	518	0,387	198
70	14,7	723	0,268	253
95	16,6	973	0,103	206
120	18,5	1217	0,153	354
150	20,4	1495	0,124	393
185	22,2	1848	0,0991	449
240	25,4	2404	0,0754	528
300	28.9	3125	0.0601	603

CONSTRUCTION

UK CODE
6381 Y

XLPE Insulated PVC Sheathed Flexible Cables



① XLPE

INSULATION
Cross-Linked
Polyethylene

②



CONDUCTOR
Thin Multi-Wire Copper

③



OUTER SHEATH
Polyvinyl Chloride

CODE	Cu/XLPE/PVC - 6381 XY
STANDARDS	Gen.to BS 7889 IEC 60502-1

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 3,5 kV)



Lead Free



Min. Bending Radius

$D \leq 25 \text{ mm}^2$ 4xD
 $D > 25 \text{ mm}^2$ 6xD



Rated Voltage Uo/U



Flame Propagation Test on Single Cable

EN / IEC 60332-1-2

APPLICATION AREAS



It's used in flush-mounted channels and boards.

TECHNICAL DATA	Cu/XLPE/PVC			
Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
6381 XY				
4	6,3	69	4,95	42
6	6,8	90	3,30	54
10	8,3	140	1,91	75
16	9,5	201	1,21	100
25	11,2	292	0,780	133
35	12,3	338	0,554	164
50	14	531	0,386	198
70	16	721	0,272	253
95	18	959	0,206	306
120	19,8	1199	0,161	354
150	22,2	1494	0,129	393
185	25,4	1838	0,106	449
240	28	2350	0,0801	528
300	30,6	2918	0,0641	603
400	38	3951	0,0486	683

CONSTRUCTION

UK CODE
6192 Y / 6193 Y

PVC Insulated PVC Sheathed Flat Cables



INSULATION
Polyvinyl Chloride



CONDUCTOR
Solid or Stranded
Copper



OUTER SHEATH
Polyvinyl Chloride

CODE	6192Y / 6193 Y
STANDARDS	BS 6004

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 2 kV)



Lead Free



Min. Bending Radius
8xD



Rated Voltage U₀/U



Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS



It's used in indoor installations that do not carry the risk of mechanical damage in surface-mounted applications.

TECHNICAL DATA

Cu/PVC/PVC

re: Solid Conductor
rm: Stranded Conductor

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
BS 6004 FLAT TWIN 6192-Y / 6193-Y				
2x1re	4,8x7,4	60	18,1	13
2x1,5re	5,3x8,5	75	12,1	16
2x1,5rm	5,4x8,7	76	12,1	16
2x2,5re	6,2x10,1	112	7,41	21
2x2,5rm	6,3x10,3	113	7,41	21
2x4rm	6,9x11,5	154	4,61	27
2x6rm	7,8x13	203	3,08	34
2x10rm	9,5x16,2	315	1,83	45
2x16rm	10,8x18,6	448	1,15	57
3x1re	4,8x10,1	85	18,1	13
3x1,5re	5,3x11,7	106	12,1	16
3x2,5re	6,2x14	159	7,41	21
3x4rm	7,1x16,3	222	4,61	27
3x6rm	7,8x18,2	293	3,08	34
3x10rm	9,5x13	457	1,83	45
3x16rm	10,8x26,3	654	1,15	57

CONSTRUCTION

UK KODU
6241Y / 6242Y / 6243Y

PVC Insulated , PVC Sheathed with
Circuit Protection Conductor Flat Cables



INSULATION
Polyvinyl Chloride



CONDUCTOR
Solid or Stranded
Copper



OUTER SHEATH
Polyvinyl Chloride

CODE

PVC FLAT TWIN 624-Y

STANDARDS

BS 6004

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U_o/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 2 kV)

EN / IEC 60332-1-2



Lead Free

APPLICATION AREAS

It's used in indoor installations that do not carry the risk of mechanical damage and in surface-mounted applications.



Min. Bending Radius

8xD

TECHNICAL DATA

Cu/PVC/PVC

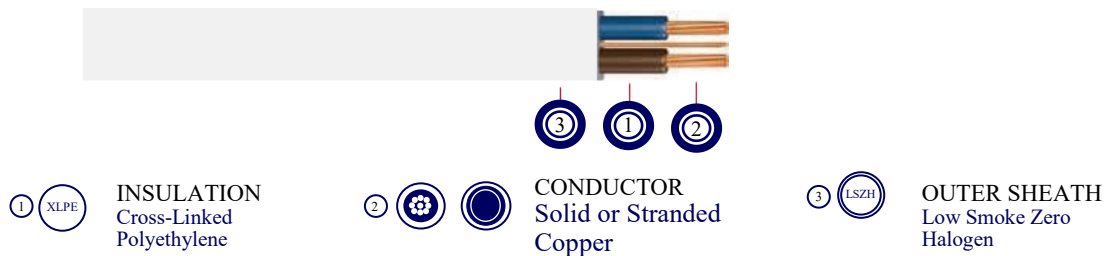
re:Solid Conductor
rm:Stranded Conductor

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
BS 6004 FLAT TWIN 624-Y				
1x1+1re	4,8x6	41	18,1/18,1	13
1x1,5+1re	5,3x6,6	48	12,1/18,1	16
1x1,5+1rm	5,4x6,7	49	12,1/18,1	16
2x1+1re	4,8x8,7	67	18,1/18,1	13
2x1,5+1re	5,3x9,7	83	12,1/18,1	16
2x1,5+1rm	5,4x10	84	12,1/18,1	16
2x2,5+1,5re	6,2x11,7	120	7,41/12,1	21
2x2,5+1,5re	6,3x11,9	121	7,41/12,1	21
2x4+1,5rm	6,9x13,1	172	4,61/12,1	27
2x6+2,5rm	7,8x15	235	3,08/7,41	34
2x10+4rm	9,5x18,9	373	1,83/4,61	45
2x16+6rm	10,8x21,9	530	1,15/3,08	57
3x1+1re	4,8x11,4	91	18,1/18,1	13
3x1,5+1re	5,3x12,9	117	12,1/18,1	16
3x2,5+1,5re	6,2x15,3	172	7,41/12,1	21
3x4+1,5rm	7,1x17,9	243	4,61/12,1	27
3x6+2,5rm	7,8x20,2	315	3,08/7,41	34
3x10+4rm	9,5x25,7	516	1,83/4,61	15
3x16+6rm	10,8x29,7	735	1,15/3,08	57

CONSTRUCTION

**XLPE Insulated LSZH Sheathed with
Circuit Protection Conductor Flat Cables**

UK KODU
6241B / 6242B / 6243B



CODE	LSZH FLAT TWIN 624-B
STANDARDS	BS 7211

TECHNICAL SPECIFICATIONS

- 250°C Max. Short Circuit Temperature
- 90°C Max. Operating Temperature
- Test Voltage (AC 2 kV)
- Lead Free
- Min. Bending Radius
8xD

- 300/500V Rated Voltage U₀/U
- Flame Propagation Test on Single Cable
EN / IEC 60332-1-2
- Halogen Free (EN 60754-1 / EN 60754-2)
- Low Smoke Density (EN 61034-2)

APPLICATION AREAS



It's used in indoor installations that do not carry the risk of mechanical damage, in surface mounted applications. It has the property of low level of smoke and toxic gas extraction in fire.

re:Solid Conductor
rm:Stranded Conductor

TECHNICAL DATA	Cu/XLPE/LSZH		Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
	Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net Weight (kg/km)	In the air (A)
LSZH FLAT TWIN 624-B				
1x1+1re	5X6,3	42	18,1/18,1	17
1x1,5+1re	5,3X6,6	48	12,1/18,1	23
2x1+1re	5X9,1	65	18,1/18,1	17
2x1+1rm	5,1X9,4	65	18,1/18,1	17
2x1,5+1rm	5,3X9,7	76	12,1/18,1	23
2x1,5+1rm	5,4X10	76	12,1/18,1	23
2x2,5+1,5re	6x11,2	108	7,41/12,1	31
2x2,5+1,5rm	6,1x11,4	108	7,41/12,1	31
2x4+1,5rm	6,7x12,6	148	4,61/12,1	42
2x6+2,5rm	7,5x14,6	208	3,08/7,41	54
2x10+4rm	8,8x17,6	317	1,83/4,61	75
2x16+6rm	10,1x20,5	478	1,15/3,08	100
3x1+1re	5,1x12,1	87	18,1/18,1	17
3x1,5+1re	5,3x12,9	104	12,1/18,1	23
3x2,5+1re	6x14,6	142	7,41/18,1	31
3x4+1,5rm	6,7x16,9	207	4,61/12,1	42
3x6+2,5rm	7,5x19,5	291	3,08/7,41	54
3x10+4rm	8,8x23,6	442	1,83/4,61	75
3x16+6rm	10,1x27,6	671	1,15/3,08	100

CONSTRUCTION

PVC Insulated PVC Sheathed Multi-Core Installation Cables



- ① PVC INSULATION Polyvinyl Chloride
- ② CONDUCTOR Solid or Stranded Copper
- ③ PVC FILLER Polyvinyl Chloride
- ④ PVC OUTER SHEATH Polyvinyl Chloride

CODE	NYM / NVV / 05VV-U / 05VV-R / 60227 IEC 10		
STANDARDS	TS HD 21.4 S2	DIN VDE 0250-204	IEC 60227-4

TECHNICAL SPECIFICATIONS

160 °C Max. Short Circuit Temperature

70 °C Max. Operating Temperature

Test Voltage (AC 2 kV)

Pb Lead Free

Min. Bending Radius
12xD

300/500V Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

Damp places where there is no mechanical stress, flush-mounted or surface-mounted installations.



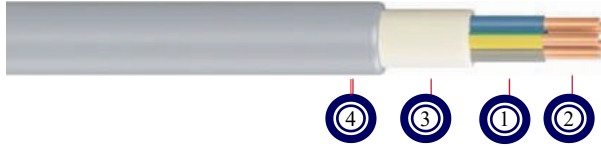
TECHNICAL DATA

Cu/PVC/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
NYM / NVV/ 60227 IEC 10				
2x1,5	8,8	121	12,1	22
2x2,5	10	163	7,41	30
2x4	10,9	212	4,61	40
2x6	11,8	270	3,08	51
2x10	15,7	498	1,83	70
2x16	18,4	698	1,15	94
2x25	20,8	1001	0,727	119
2x35	23,4	1320	0,524	148
3x1,5	8,9	134	12,1	16,5
3x2,5	10,5	194	7,41	23
3x4	11,4	254	4,61	30
3x6	12,9	343	3,08	38
3x10	16,4	605	1,83	52
3x16	18,7	858	1,15	69
3x25	22,2	1156	0,727	90
3x35	24,5	1500	0,524	111
4x1,5	9,9	168	12,1	16,5
4x2,5	11,3	233	7,41	23
4x4	10,3	333	4,61	30
4x6	14,2	430	3,08	38
4x10	18,2	770	1,83	52
4x16	20,9	1106	1,15	69

CONSTRUCTION

PVC Insulated PVC Sheathed Multi-Core Installation Cables



- ① INSULATION Polyvinyl Chloride
- ② CONDUCTOR Solid or Stranded Copper
- ③ FILLER Polyvinyl Chloride
- ④ OUTER SHEATH Polyvinyl Chloride

CODE	NYM / NVV / 05VV-U / 05VV-R / 60227 IEC 10		
STANDARDS	TS HD 21.4 S2	DIN VDE 0250-204	IEC 60227-4

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 2 kV)

Lead Free

Min. Bending Radius
12xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

Damp places where there is no mechanical stress, flush-mounted or surface-mounted installations.



TECHNICAL DATA

Cu/PVC/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
NYM / NVV/ 60227 IEC 10				
4x25	24,5	1468	0,727	90
4x35	27,2	1921	0,524	111
5x1,5	10,9	200	12,1	16,5
5x2,5	12,5	280	7,41	23
5x4	14,1	395	4,61	30
5x6	15,5	520	3,08	38
5x10	20,5	860	1,83	52
5x16	23,8	1300	1,15	69

CONSTRUCTION

PVC Insulated Low Voltage Power Cables



① PVC INSULATION
Polyvinyl Chloride

② CONDUCTOR
Solid or Stranded
Copper

③ PVC OUTER SHEATH
Polyvinyl Chloride

CODE	YVV-U / YVV-R / NYY
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS

160 °C Max. Short Circuit Temperature

70 °C Max. Operating Temperature

Test Voltage (AC 3,5 kV)

Pb Lead Free

Min. Bending Radius
15xD

0.6 / 1 kV Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS



It's used under the ground and in cable ducts where there is not much stress

TECHNICAL DATA		Cu/PVC/PVC					
Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity			
				In the conduit (A)		In the air (A)	
YVV-U / YVV-R / NYY				∞	∞	∞	∞
1x4	7,01	87	4,61	59	50	45	33
1x6	7,51	109	3,08	73	62	59	43
1x10	8,65	158	1,83	97	83	81	60
1x16	9,6	219	1,15	125	107	110	82
1x25	11	319	0,727	161	138	146	110
1x35	12,1	417	0,524	192	164	181	137
1x50	13,8	556	0,387	227	195	219	167
1x70	15,3	761	0,268	278	238	281	216
1x95	17,6	1033	0,193	332	286	341	264
1x120	19,5	1787	0,153	377	325	396	308
1x150	21	1563	0,124	423	365	456	356
1x185	23,2	1942	0,0991	478	413	501	400
1x240	26,6	2528	0,0754	555	470	615	485
1x300	29,2	3216	0,0601	627	541	709	561
1x400	35,2	1066	0,0470	725	614	852	656
1x500	39,8	5209	0,0366	818	608	982	710
1x630	46,2	6654	0,0283	-	777	1138	855

CONSTRUCTION

PVC Insulated Low Voltage Power Cables



INSULATION
Polyvinyl
Chloride



CONDUCTOR
Solid or
Stranded Copper



FILLER
Polyvinyl
Chloride



OUTER SHEATH
Polyvinyl Chloride

CODE	YVV-U / YVV-R / NYY
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U_o/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 3,5 kV)

EN / IEC 60332-1-2



Lead Free



Min. Bending Radius

12xD

APPLICATION AREAS



It's used under the ground and in cable ducts where there is not much stress

TECHNICAL DATA

Cu/PVC/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YVV-U / YVV-R / NYY					
2x1,5	10,54	161	12,1	32	22
2x2,5	11,32	196	7,41	42	30
2x4	13,02	272	4,61	54	40
2x6	14,02	334	3,08	68	51
2x10	16,3	478	1,83	90	70
2x16	18,8	675	1,15	116	94
2x25	21,2	930	0,727	150	119
2x35	23,4	1196	0,524	181	148
3x1,5	10,8	17	12,1	27	19,5
3x2,5	11,9	229	7,41	36	25
3x4	13,7	322	4,61	47	34
3x6	14,8	403	3,08	59	43
3x10	17,5	596	1,83	79	59
3x16	19,5	813	1,15	102	79
3x25	22,6	1177	0,727	133	106
3x35	24,9	1521	0,524	159	129
3x50	28,8	2054	0,387	188	157
3x70	32,3	2792	0,268	232	199
3x95	37,1	3769	0,193	280	246
3x120	41	4675	0,153	318	285
3x150	44,5	5676	0,124	359	326
3x185	49,2	7033	0,0991	406	374
3x240	56,7	9215	0,0754	473	445

CONSTRUCTION

PVC Insulated Low Voltage Power Cables



INSULATION
Polyvinyl
Chloride



CONDUCTOR
Solid or
Stranded Copper



FILLER
Polyvinyl
Chloride



OUTER SHEATH
Polyvinyl
Chloride

CODE

YVV-U / YVV-R / NYY

STANDARDS

TS IEC 60502-1

DIN VDE 0276-603

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U_o/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 3,5 kV)

EN / IEC 60332-1-2



Lead Free



Min. Bending Radius
12xD

APPLICATION AREAS



It's used under the ground and in cable ducts where there is not much stress

TECHNICAL DATA

Cu/PVC/PVC

Nominal Cross Section (mm ²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YVV-U / YVV-R / NYY					
3x16+10	21,2	952	1,15/1,83	102	79
3x25+16	24,4	1363	0,727/1,15	133	106
3x35+16	26,8	1702	0,524/115	159	129
3x50+25	30,9	2310	0,387/0,727	188	157
3x70+35	34,4	3110	0,268/0,524	232	199
3x95+50	39,6	4209	0,193/0,387	280	246
3x120+70	43,9	5308	0,153/0,268	318	285
3x150+70	47,4	6253	0,124/0,268	359	326
3x185+95	52,4	7843	0,0991/0,193	406	374
3x240+120	59,9	10132	0,153/0,0754	473	445

CONSTRUCTION

PVC Insulated Low Voltage Power Cables



INSULATION
Polyvinyl
Chloride



CONDUCTOR
Solid or
Stranded Copper



FILLER
Polyvinyl
Chloride



OUTER SHEATH
Polyvinyl
Chloride

CODE

YVV-U / YVV-R / NYY

STANDARDS

TS IEC 60502-1

DIN VDE 0276-603

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U_o/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 3,5 kV)

EN / IEC 60332-1-2



Lead Free



Min. Bending Radius

12xD

APPLICATION AREAS



It's used under the ground and in cable ducts where there is not much stress

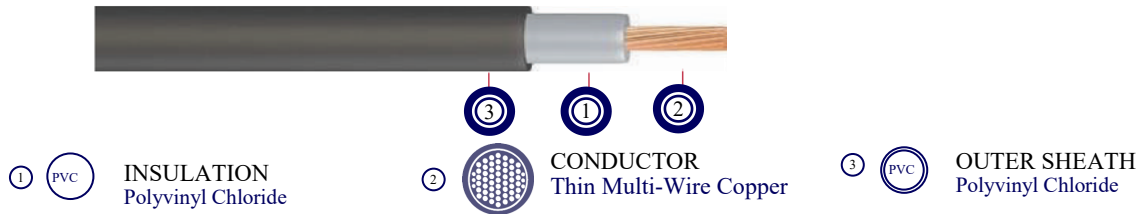
TECHNICAL DATA

Cu/PVC/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YVV-U / YVV-R / NYY					
4x1,5	12	222	12,1	27	18,5
4x2,5	13	280	7,41	36	25
4x4	15	398	4,61	47	34
4x6	16,2	500	3,08	59	43
4x10	19	734	1,83	79	60
4x16	21,5	1026	1,15	102	80
4x25	24,9	1490	0,727	133	101
4x35	27,6	1947	0,524	159	126
4x50	31,9	2621	0,387	188	153
4x70	35,9	3586	0,268	232	199
4x95	41,2	4841	0,193	280	246
4x120	45,5	6004	0,153	318	285
4x150	50,8	7449	0,124	359	326
4x185	55,6	9186	0,0991	406	374
4x240	64,7	12147	0,0754	473	445

CONSTRUCTION

PVC Insulated Low Voltage Flexible Power Cables



CODE	YVV-K / NYY-K / NYY FLEX
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS

- 160°C Max. Short Circuit Temperature
- 70°C Max. Operating Temperature
- Test Voltage (AC 3,5 kV)
- Pb Lead Free
- Min. Bending Radius 15xD

0.6 / 1kV Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS



It's used under the ground and in cable ducts where there is not much stress

TECHNICAL DATA	Cu/PVC/PVC						
Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity			
				In the conduit (A)		In the air (A)	
YVV-K / NYY-K / NYY FLEX				∞	⊕	∞	⊕
1x4	8,2	100	4,61	59	50	45	33
1x6	8,5	120	3,08	73	62	59	43
1x10	9,2	180	1,83	97	83	81	60
1x16	10,2	235	1,15	125	107	110	82
1x25	11,6	345	0,727	161	138	146	110
1x35	13,1	445	0,524	192	164	181	137
1x50	14,4	600	0,387	227	195	219	167
1x70	16,3	785	0,268	278	238	281	216
1x95	18,2	1050	0,193	332	286	341	264
1x120	20,5	1300	0,153	377	325	396	308
1x150	22,1	1570	0,124	423	365	456	356
1x185	24,6	2000	0,0991	478	413	521	409
1x240	27,3	2600	0,0754	555	479	615	485
1x300	30,2	3270	0,0601	627	541	709	561
1x400	33,5	4050	0,0470	725	614	852	656
1x500	38,1	5150	0,0366	818	698	982	749

CONSTRUCTION

PVC Insulated Low Voltage Flexible Power Cables



INSULATION
Polyvinyl Chloride



CONDUCTOR
Thin Multi-
Wire Copper

3



OUTER SHEATH
Polyvinyl Chloride

3



FILLER
Polyvinyl
Chloride

CODE	YVV-K (NYY FLEX)
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Rated Voltage U_o/U



Max. Operating Temperature



Flame Propagation Test on Single Cable



Test Voltage (AC 3,5 kV)

EN / IEC 60332-1-2



Lead Free



Min. Bending Radius
12xD

APPLICATION AREAS



It's used under the ground and in cable ducts where there is not much stress

TECHNICAL DATA

Cu/PVC/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YVV-K (NYY FLEX)					
2x6	12,2	250	3,3	68	51
2x10	15,8	424	1,91	90	70
2x16	18	588	1,21	116	94
2x25	23,7	1019	0,780	150	119
2x35	25,7	1269	0,554	181	148
2x50	30,1	1777	0,386	210	153
2x70	33,7	2302	0,272	254	196
3x6	13	305	3,30	59	43
3x10	16,8	515	1,91	79	59
3x16	20,7	851	1,21	102	79
3x25	24,4	1221	0,780	133	106
3x35	27,1	1602	0,554	159	129
3x50	31,4	2210	0,386	188	157
3x70	35,2	2909	0,272	232	199
3x95	41,2	3932	0,206	280	246
3x120	43,6	4733	0,161	318	285
3x150	48,3	5841	0,129	359	326
3x185	55,4	7317	0,106	406	374
3x240	61,7	9340	0,0801	473	445
3x16+10	21,9	981	1,21/1,91	102	79
3x25+16	25,8	1421	0,780/1,21	133	106
3x35+16	28,1	1757	0,554/1,21	159	129
3x50+25	32,8	2493	0,386/0,780	188	157
3x70+35	36,8	3295	0,272/0,554	232	199
3x95+50	42,5	4396	0,206/0,386	280	246
3x120+70	46,2	5489	0,161/0,272	318	285
3x150+70	50,4	6583	0,129/0,272	359	326
3x185+95	58,1	8336	0,106/0,206	406	374
3x240+120	64,5	10625	0.0801/0.161	473	445

CONSTRUCTION

PVC Insulated Low Voltage Flexible Power Cables



INSULATION
Polyvinyl Chloride



CONDUCTOR
Thin Multi-
Wire Copper



OUTER SHEATH
Polyvinyl Chloride



FILLER
Polyvinyl
Chloride

CODE	YVV-K / NYY-K / NYY FLEX
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 3,5 kV)



Lead Free



Min. Bending Radius
12xD



Rated Voltage U_0/U



Flame Propagation Test on Single Cable

EN / IEC 60332-1-2

APPLICATION AREAS



It's used under the ground and in cable ducts where there is not much stress

TECHNICAL DATA

Cu/PVC/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YVV-K / NYY-K / NYY FLEX					
4x6	15,8	423	3,3	59	43
4x10	20	764	1,91	79	60
4x16	22,5	1047	1,21	102	80
4x25	26,8	1526	0,780	133	101
4x35	30,1	2038	0,554	159	126
4x50	34,8	2801	0,386	188	153
4x70	39,2	3717	0,272	232	199
4x95	45,4	4967	0,206	280	246
4x120	48,3	6032	0,161	318	285
4x150	53,3	7412	0,129	359	326
5x4	16	469	4,95	47	34
5x6	17,4	597	3,3	59	43
5x10	20,6	890	1,91	79	60
5x16	25,2	1317	1,21	102	80

CONSTRUCTION

XLPE Insulated Low Voltage Power Cables



- ① **INSULATION**
Cross-Linked
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Polyvinyl Chloride
- ④ **OUTER SHEATH**
Polyvinyl Chloride

CODE	YXV / N2XY
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 kV)

Lead Free

Min. Bending Radius
12xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

These cables which have very low dielectric loss are used in buildings , pipes , industrial zones, or distribution centers where mechanical damage is not expected and in power Plants where sudden load changes occur. It adapts to high operating temperatures , is more durable and has a longer service life.



TECHNICAL DATA	Cu/XLPE/PVC				
Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net Weight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXV / N2XY					
2x1,5	10,14	145	12,1	37	26
2x2,5	10,92	179	7,41	49	36
2x4	11,82	227	4,61	64	49
2x6	12,82	285	3,08	79	63
2x10	15,1	420	1,83	106	86
2x16	17,2	587	1,15	137	115
2x25	20	847	0,727	176	149
2x35	22,2	1102	0,524	213	185
2x50	25,4	1469	0,387	252	225
3x1,5	9,8	143	12,1	31	24
3x2,5	10,8	187	7,41	40	32
3x4	12,1	259	4,61	52	42
3x6	13,5	345	3,08	64	53
3x10	16,2	525	1,83	86	74
3x16	18,2	732	1,15	112	98
3x25	21,3	1075	0,727	145	133
3x35	23,6	1409	0,524	174	162
3x50	26,9	1874	0,387	206	107
3x70	31	2629	0,268	254	250
3x95	34,8	3491	0,193	305	308
3x120	39,2	4407	0,153	348	359
3x150	42,7	5368	0,124	392	412
3x185	47,5	6687	0,0991	444	475
3x240	54.4	8718	0.0754	517	564

CONSTRUCTION

XLPE Insulated Low Voltage Power Cables



- ① **INSULATION**
Cross-Linked
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Polyvinyl Chloride
- ④ **OUTER SHEATH**
Polyvinyl Chloride

CODE	YXV / N2XY
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS

- Max. Short Circuit Temperature
- Max. Operating Temperature
- Test Voltage (AC 3,5 kV)
- Lead Free
- Min. Bending Radius
12xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

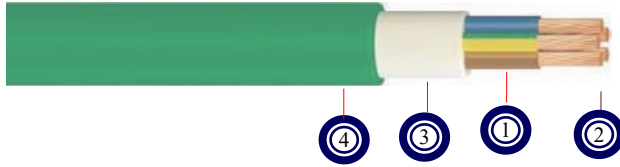
These cables which have very low dielectric loss are used in buildings , pipes , industrial zones, or distribution centers where mechanical damage is not expected and in power Plants where sudden load changes occur. It adapts to high operating temperatures , is more durable and has a longer service life.



TECHNICAL DATA		Cu/XLPE/PVC			
Nominal Cross Section (mm ²)	Cable Overall Diameter (mm)	Approximate Net Weight (kg/km)	Conductor Resistance Max.ohm/km (20°C)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXV / N2XY					
3x16+10	19,8	858	1,15/1,83	112	98
3x25+16	23	1247	0,727/1,15	145	133
3x35+16	25,4	1574	0,524/1,15	174	162
3x50+25	28,9	2117	0,387/0,727	206	197
3x70+35	32,8	2912	0,268/0,524	254	250
3x95+50	37,2	3909	0,193/0,387	305	308
3x120+70	42	5018	0,153/0,268	348	359
3x150+70	45,2	5905	0,124/0,268	392	412
3x185+95	52	7677	0,0991/0,193	444	475
3x240+120	58,4	9776	0,0754/0,153	517	564
4x1,5	11,1	186	12,10	31	24
4x2,5	12	236	7,41	40	32
4x4	13,1	316	4,61	52	42
4x6	14,6	422	3,08	64	53
4x10	17,4	639	1,83	86	74
4x16	19,7	906	1,15	112	98
4x25	23	1333	0,727	145	133
4x35	26,1	1799	0,524	174	162
4x50	29,9	2404	0,387	206	197
4x70	34,4	3374	0,268	254	250
4x95	38,8	4509	0,193	305	308
4x120	44,2	5748	0,153	348	359
4x150	48,2	7013	0,124	392	412
4x185	53,6	8730	0,0991	444	475
4x240	62,3	11535	0,0754	517	564

CONSTRUCTION

XLPE Insulated Low Voltage Power Cables



- ① **INSULATION**
Cross-Linked
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Polyvinyl Chloride
- ④ **OUTER SHEATH**
Polyvinyl Chloride

CODE	YXV / N2XY		
STANDARDS	TS IEC 60502-1	DIN VDE 0276-603	SI 1516.1

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 kV)

Lead Free

Min. Bending Radius
12xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

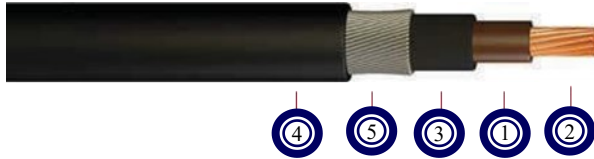
These cables which have very low dielectric loss are used in buildings , pipes , industrial zones, or distribution centers where mechanical damage is not expected and in power Plants where sudden load changes occur. It adapts to high operating temperatures , is more durable and has a longer service life.



TECHNICAL DATA	Cu/XLPE/PVC				
Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net Weight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXV / N2XY					
5x1,5	12,3	230	12,1	31	24
5x2,5	13,4	296	7,41	40	32
5x4	14,6	396	4,61	52	42
5x6	15,9	512	3,08	64	53
5x10	18,3	748	1,83	86	74
5x16	21,8	1125	1,15	112	98

CONSTRUCTION

XLPE Insulated , Steel Wire Armoured Single Core Power Cables



- ① **INSULATION**
Cross-Linked
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Polyvinyl Chloride
- ④ **OUTER SHEATH**
Polyvinyl Chloride
- ⑤ **ARMOUR**
Galvanized Round Steel Wire

CODE	YXZ2V / N2XRY
STANDARDS	TS IEC 60502-1

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 kV)

Lead Free

Min. Bending Radius
15xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

It can be used under the ground as it is suitable for heavy operating conditions. Resistant to mechanical stresses. It adapts to high operating temperatures, is resistant to short-term temperature spikes and has a longer service life.



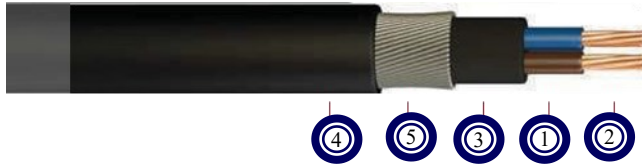
TECHNICAL DATA

Cu/XLPE/SWA/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXV / N2XY					
1x50	18	707	0,387	211	218
1x70	20	929	0,268	257	275
1x95	21	1194	1194	304	336
1x120	24	1504	1504	341	388
1x150	26	1794	1794	377	438
1x185	28	2180	2180	418	501
1x240	31	2769	2769	469	508
1x300	33	3351	3351	514	654
1x400	37	4342	4342	565	733
1x500	41	5475	5475	623	825
1x630	45	6937	6937	690	934

CONSTRUCTION

XLPE Insulated , Steel Wire Armoured Multi-Core Power Cables



- ① **INSULATION**
Cross-Linked Polyethylene
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Polyvinyl Chloride
- ④ **OUTER SHEATH**
Polyvinyl Chloride
- ⑤ **ARMOUR**
Galvanized Round Steel Wire

CODE	YXZ2V / N2XRY
STANDARDS	TS IEC 60502-1

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 kV)

Lead Free

Min. Bending Radius
12xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

It can be used under the ground as it is suitable for heavy operating conditions. Resistant to mechanical stresses. It adapts to high operating temperatures, is resistant to short-term temperature spikes and has a longer service life.

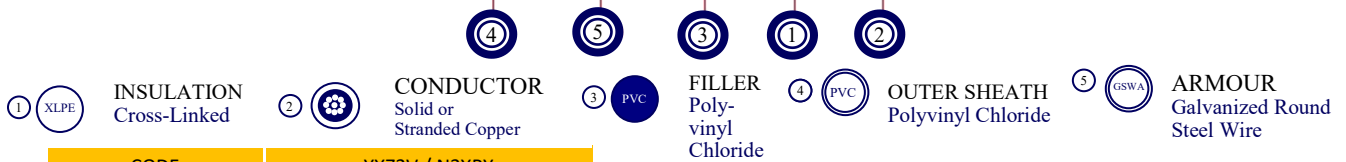


TECHNICAL DATA

Cu/XLPE/SWA/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXV / N2XY					
2x10	18	772	1,83	87	75
2x16	20	980	1,15	113	100
2x25	24,5	1530	0,727	146	136
2x35	27	1835	0,524	176	165
2x50	30	2270	0,387	208	201
2x70	33	2915	0,268	256	255
2x95	38	4025	0,193	307	314
2x120	41	4785	0,153	349	364
2x150	45	5670	0,124	391	416
2x185	50	7230	0,0991	442	480
2x240	56	9040	0,0754	509	565

CONSTRUCTION

XLPE Insulated , Steel Wire Armoured
Multi-Core Power Cables

CODE	YXZ2V / N2XRY
STANDARDS	TS IEC 60502-1

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 kV)

Lead Free

Min. Bending Radius
12xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

It can be used under the ground as it is suitable for heavy operating conditions. Resistant to mechanical stresses. It adapts to high operating temperatures, is resistant to short-term temperature spikes and has a longer service life.



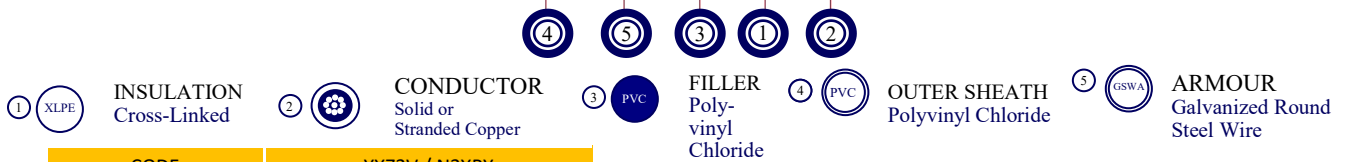
TECHNICAL DATA

Cu/XLPE/SWA/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXZ2V / N2XRY					
3x10	19	875	1,83	87	75
3x16	21	1130	1,15	113	100
3x25	26	1790	0,727	146	136
3x35	28	2190	0,524	176	165
3x50	31	2725	0,387	208	201
3x70	37	3900	0,268	256	255
3x95	40	4900	0,193	307	314
3x120	44	5910	0,153	349	364
3x150	49	7440	0,124	391	416
3x185	54	8970	0,0991	442	480
3x240	60	11200	0,0754	509	565
3x25+16	29	1985	0,727/1,15	146	136
3x35+16	30	2353	0,524/1,15	176	165
3x50+25	34	3000	0,387/0,727	208	201
3x70+35	39	4150	0,268/0,524	256	255
3x95+50	43	5260	0,193/0,387	307	314
3x120+70	48	6490	0,153/0,268	349	364
3x150+70	53	8070	0,124/0,268	391	416
3x185+95	57	9620	0,0991/0,193	442	480
3x240+120	63	12210	0,0754/0,153	509	565

CONSTRUCTION

XLPE Insulated , Steel Wire Armoured Multi-Core Power Cables



CODE	YXZ2V / N2XRY
STANDARDS	TS IEC 60502-1

TECHNICAL SPECIFICATIONS

250 **Max. Short Circuit Temperature**

90 **Max. Operating Temperature**

Test Voltage (AC 3,5 kV)

Lead Free

Min. Bending Radius
12xD

0.6 / 1 kV **Rated Voltage U₀/U**

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

It can be used under the ground as it is suitable for heavy operating conditions. Resistant to mechanical stresses. It adapts to high operating temperatures, is resistant to short-term temperature spikes and has a longer service life.



TECHNICAL DATA

Cu/XLPE/SWA/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXZ2V / N2XRY					
4x4	16	536	4,61	52	43
4x6	18	784	3,08	65	54
4x10	20	1015	1,83	87	75
4x16	23	1470	1,15	113	100
4x25	28	2125	0,727	146	165
4x35	31	2600	0,524	176	136
4x50	34	3260	0,387	208	201
4x70	40	4680	0,268	256	255
4x95	44	5920	0,193	307	314
4x120	49	7610	0,153	349	364
4x150	54	9180	0,124	391	416
4x185	59	11000	0,0991	442	480
4x240	65	13700	0,0754	509	565

CONSTRUCTION

XLPE Insulated , Steel Wire Armoured Multi-Core Power Cables



- ① **XLPE** INSULATION Cross-Linked
② **CONDUCTOR** Solid or Stranded Copper
③ **PVC** FILLER Poly-vinyl Chloride
④ **PVC** OUTER SHEATH Polyvinyl Chloride
⑤ **GSWA** ARMOUR Galvanized Round Steel Wire

CODE	YXZ2V / N2XRY
STANDARDS	TS IEC 60502-1

TECHNICAL SPECIFICATIONS

- ① **250** Max. Short Circuit Temperature
② **90** Max. Operating Temperature
③ **Test Voltage (AC 3,5 kV)**
④ **Pb** Lead Free
⑤ **Min. Bending Radius**
12xD

- ① **0.6 / 1 kV** Rated Voltage U₀/U

- ① **Flame Propagation Test on Single Cable**
EN / IEC 60332-1-2

APPLICATION AREAS

It can be used under the ground as it is suitable for heavy operating conditions. Resistant to mechanical stresses. It adapts to high operating temperatures, is resistant to short-term temperature spikes and has a longer service life.



TECHNICAL DATA

Cu/XLPE/SWA/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXZ2V / N2XRY					
5x6	19	880	3,08	65	51
5x10	22	1170	1,83	87	75
5x16	25	1700	1,15	113	100

CONSTRUCTION

XLPE Insulated , Steel Wire Armoured Multi-Core Power Cables



- ① **INSULATION**
Cross-Linked Polyethylene
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Poly-vinyl Chloride
- ④ **OUTER SHEATH**
Polyvinyl Chloride
- ⑤ **ARMOUR**
Galvanized Round Steel Wire

CODE	YVZ2V / NYRY
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS

- Max. Short Circuit Temperature
- Max. Operating Temperature
- Test Voltage (AC 3,5 kV)
- Lead Free
- Min. Bending Radius
12xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

It can be used under the ground since it is resistant to mechanical stress and is suitable for heavy operating conditions.



TECHNICAL DATA

Cu/PVC/SWA/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXZ2V / NYRY					
2x10	20,5	900	1,83	90	66
2x16	22,5	1100	1,15	116	89
2x25	26	1650	0,727	150	118
2x35	28	1950	0,524	181	145
2x50	31,5	2500	0,387	215	176
2x70	35,5	3400	0,268	264	224
2x95	40,5	4360	0,193	317	271
3x10	21,5	1050	1,83	75	60
3x16	23,5	1300	1,15	98	80
3x25	27,5	1950	0,727	128	106
3x35	29,5	2350	0,524	157	131
3x50	33,5	3050	0,387	185	159
3x70	38	4200	0,268	228	202
3x95	43	5350	0,193	275	244
3x120	46,5	6400	0,153	313	282
3x150	52	8150	0,124	353	324
3x185	57	9750	0,0991	399	371
3x240	67	12250	0,0754	464	436

CONSTRUCTION

XLPE Insulated , Steel Wire Armoured Multi-Core Power Cables



- 1 **INSULATION**
Cross-Linked Polyethylene
- 2 **CONDUCTOR**
Solid or Stranded Copper
- 3 **FILLER**
Poly-vinyl Chloride
- 4 **OUTER SHEATH**
Polyvinyl Chloride
- 5 **ARMOUR**
Galvanized Round Steel Wire

CODE	YVZ2V / NYRY
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 kV)

Lead Free

Min. Bending Radius
12xD

Rated Voltage U_0/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

It can be used under the ground since it is resistant to mechanical stress and is suitable for heavy operating conditions.



TECHNICAL DATA

Cu/PVC/SWA/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXZ2V / NYRY					
3x10+6	23	1280	1,83/3,08	75	60
3x16+10	25,5	1600	1,15/1,83	98	80
3x25+16	28,5	2150	0,727/1,15	128	106
3x35+16	30,5	2550	0,524/1,15	157	131
3x50+25	35,5	3600	0,387/0,727	185	159
3x70+35	39,5	4650	0,268/0,524	228	202
3x95+50	44,5	5950	0,193/0,387	275	244
3x120+70	50,5	7700	0,153/0,268	313	282
3x150+70	53,5	8900	0,124/0,268	353	324
3x185+95	59	10800	0,0991/0,193	399	371
3x240+120	66,5	13500	0,0754/0,153	464	436
4x6	20	900	3,08	56	43
4x10	23	1200	1,83	75	60
4x16	26	1700	1,15	98	80
4x25	29,5	2300	0,727	128	106
4x35	32,5	2870	0,524	157	131
4x50	37,5	4000	0,387	185	159
4x70	41,5	5150	0,268	228	202
4x95	48	7050	0,193	275	244
4x120	52,5	8450	0,153	313	282
4x150	57	10050	0,124	353	324
4x185	63	12150	0,0991	399	371
4x240	70.5	15300	0.0754	464	436

CONSTRUCTION

XLPE Insulated , Steel Wire Armoured Multi-Core Power Cables



- ① **INSULATION**
Cross-Linked Polyethylene
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Poly-vinyl Chloride
- ④ **OUTER SHEATH**
Polyvinyl Chloride
- ⑤ **ARMOUR**
Galvanized Round Steel Wire

CODE	YVZ2V / NYRY
STANDARDS	TS IEC 60502-1 DIN VDE 0276-603

TECHNICAL SPECIFICATIONS

- Max. Short Circuit Temperature
- Max. Operating Temperature
- Test Voltage (AC 3,5 kV)
- Lead Free
- Min. Bending Radius
12xD

Rated Voltage U₀/U

Flame Propagation Test on Single Cable
EN / IEC 60332-1-2

APPLICATION AREAS

It can be used under the ground since it is resistant to mechanical stress and is suitable for heavy operating conditions.



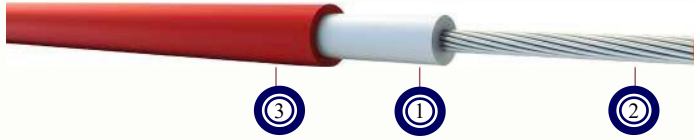
TECHNICAL DATA

Cu/PVC/SWA/PVC

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
YXZ2V / NYRY					
5x6	20,8	1030	3,08	59	43
5x10	24,8	1551	1,83	79	59
5x16	27,4	1992	1,15	102	79

CONSTRUCTION

Halogen-Free Single Core Cables for use in Photovoltaic Systems



- ① TPE INSULATION Cross-Linked Halogen Free
- ② CONDUCTOR Solid or Stranded Copper
- ③ TPE Outer Sheath Cross-Linked Halogen Free

CODE	H1Z2Z2-K / 62930 IEC 131 SOLAR CABLES	
STANDARDS	TS EN 50618	IEC 62930

TECHNICAL SPECIFICATIONS

- 250°C Max. Short Circuit Temperature
- 120°C Max. Operating Temperature
For 20.000 h
- Test Voltage (AC 6,5 kV)
- Min. Bending Radius
5xD

- Rated Voltage U_0/U
- Flame Propagation Test on Single Cable
EN 60332-1
- Halogen Free (EN / IEC 60754-1 / EN 60754-2)
- Low Smoke Density (EN / IEC 61034-2)

APPLICATION AREAS

These cables are designed for connecting photovoltaic system components inside and outside of buildings and equipment with high mechanical requirements and extreme weather conditions. Especially designed to connect solar panels for permanent junction boxes and inverters. Good abrasion, ozone resistant, flame retardant halogen-free properties.



TECHNICAL DATA		Cu-Sn/TPE/TPE		Current Carrying Capacity		
Nominal Cross Section (mm ²)	Cable Overall Diameter (mm)	Approximate Net Weight (kg/km)	Conductor Resistance Max.ohm/km (20°C)	Free Single Cable in Air (A)	Single Cable of Surfaces (A)	Two Cables Adjacent of Surfaces(A)
H1Z2Z2-K / 62930 IEC 131						
1,5	4,5	36	13,7	30	29	24
2,5	5	47	8,21	41	39	33
4	5,5	63	5,09	55	52	44
6	6,2	85	3,39	70	67	57
10	7	126	1,95	98	93	79
16	8,4	191	1,24	132	125	107
25	10,2	292	0,795	176	167	142
35	11,3	382	0,565	218	207	176
50	13,1	543	0,393	276	262	221
70	15,1	741	0,277	347	330	278
95	17	979	0,210	416	395	333
120	19	1222	0,164	488	464	390
150	20,6	1475	0,132	566	538	453
185	23,4	1886	0,108	644	612	515
240	27,8	2400	0,0817	775	736	620
300*	30,2	2926	0,0654	913	866	693
400*	33	3813	0,0495	1098	1041	825

CONSTRUCTION

Halogen Free , Flame Retardant , XLPE
Insulated , Multi-Core Cables



- ① **INSULATION**
Cross-Linked Polyethylene
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Halogen Free Flame Retardant
- ④ **OUTER SHEATH**
Halogen Free Flame Retardant

CODE	NHXMH-O / NHXMH-J (052XZ1-U / 052XZ1-R)
STANDARDS	DIN VDE 0250-214 TSE K 238

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 2 Kv)

Low Smoke Density (EN 61034-2)

Min. Bending Radius
12xD

Lead Free

Rated Voltage U₀/U

Flame Retardant Test of Bunched Cable
EN / IEC 60332-3-24 Cat. C

Halogen Free (EN 60754-1 / EN 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , shcools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



TECHNICAL DATA

Cu/XLPE/HFFR

Nominal Cross Section (mm ²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
NHXMH-O / NHXMH-J				
2x1,5	8,3	101	12,1	22
2x2,5	9,1	130	7,41	30
2x4	10,4	182	4,61	40
2x6	11,4	235	3,08	51
2x10	14,2	379	1,83	70
2x16	16,8	548	1,15	98
3x1,5	8,7	118	12,1	22
3x2,5	9,6	157	7,41	30
3x4	11	224	4,61	40
3x6	12,4	303	3,08	51
3x10	15	475	1,83	70
3x16	18,2	711	1,15	98
4x1,5	9,3	140	12,1	18
4x2,5	10,3	189	7,41	25
4x4	12,3	286	4,61	34
4x6	13,9	389	3,08	43
4x10	16,2	589	1,83	60
4x16	19,8	888	1,15	80
4x25	24	1359	0,727	127
4x35	26,7	1794	0,524	158

CONSTRUCTION

Halogen Free , Flame Retardant , XLPE
Insulated , Multi-Core Cables



- ① **INSULATION**
Cross-Linked
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Halogen Free Flame Retardant
- ④ **OUTER SHEATH**
Halogen Free Flame Retardant

CODE	NHXMH-O / NHXMH-J (052XZ1-U / 052XZ1-R)
STANDARDS	DIN VDE 0250-214 TSE K 238

TECHNICAL SPECIFICATIONS

Max. Short Circuit Temperature

Rated Voltage U₀/U

Max. Operating Temperature

Flame Retardant Test of Bunched Cable

Test Voltage (AC 2 Kv)

EN / IEC 60332-3-24 Cat. C

Low Smoke Density (EN 61034-2)

Halogen Free (EN 60754-1 / EN 60754-2)

Min. Bending Radius
12xD

Lead Free

APPLICATION AREAS

It's used in refineries , hotels , shcools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



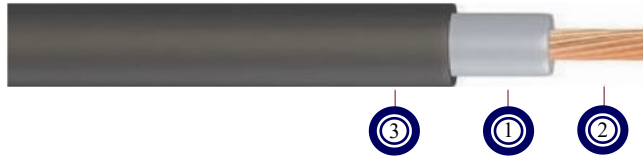
TECHNICAL DATA

Cu/XLPE/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity
				In the air (A)
NHXXMH-O / NHXXMH-J				
5x1,5	10	165	12,1	18,5
5x2,5	11,1	224	7,41	25
5x4	13,6	353	4,61	34
5x6	15,0	467	3,08	43
5x10	17,6	714	1,83	60
5x16	21,9	1098	1,15	80
5x25	26,1	1652	0,727	127
7x1,5	10,7	201	12,1	15,5
7x2,5	12,3	289	7,41	21

CONSTRUCTION

Halogen Free, Flame Retardant, XLPE Insulated, Single Core Cables



INSULATION
Cross-Linked
Polyethylene



CONDUCTOR
Solid or Stranded
Copper



OUTER SHEATH
Halogen Free Flame
Retardant

TECHNICAL SPECIFICATIONS

CODE	N2XH / YXZ1		
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 3,5 Kv)



Low Smoke Density (EN 61034-2)



Min. Bending Radius
18xD



Lead Free



Rated Voltage U₀/U



Flame Retardant Test of Bunched Cable

EN / IEC 60332-3-24 Cat. C



Halogen Free (EN 60754-1 / EN 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , shcools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



TECHNICAL DATA

Cu/XLPE/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity			
				In the conduit (A)		In the air (A)	
N2XH / YXZ1				∞	∞	∞	∞
1x4	6,7	77	4,61	66	55	56	44
1x6	7,2	98	3,08	82	68	71	57
1x10	8,1	142	1,83	109	90	96	77
1x16	9	200	1,15	139	115	128	102
1x25	10,4	294	0,727	179	149	173	139
1x35	11,5	389	0,524	213	178	212	170
1x50	13	516	0,387	251	211	258	208
1x70	14,7	720	0,268	307	259	328	265
1x95	16,4	962	0,193	366	310	404	329
1x120	18,3	1205	0,153	416	352	471	381
1x150	20,2	1488	0,124	465	396	541	438
1x185	22,4	1852	0,0991	526	449	626	507
1x240	25,6	2409	0,0754	610	521	749	606
1x300	28,9	3072	0,0601	689	587	864	697
1x400	34	3874	0,0470	788	669	1018	816
1x500	39,2	5023	0,0366	889	748	1173	933

CONSTRUCTION

Halogen Free , Flame Retardant XLPE Insulated , Multi-Core Cables



TECHNICAL SPECIFICATIONS

CODE	N2XH / YXZ1		
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1

250 °C Max. Short Circuit Temperature

90 °C Max. Operating Temperature

Test Voltage (AC 3,5 Kv)

Low Smoke Density (EN 61034-2)

Min. Bending Radius
12xD

Pb Lead Free

0,6 / 1 kV Rated Voltage U₀/U

Flame Retardant Test of Bunched Cable

EN / IEC 60332-3-24 Cat. C

Halogen Free (EN / IEC 60754-1 / EN / IEC 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , shools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



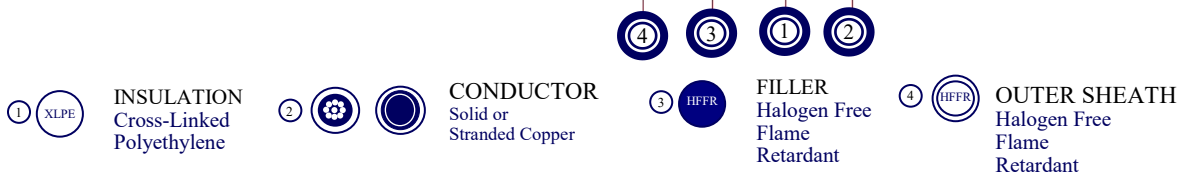
TECHNICAL DATA

Cu/XLPE/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
N2XH / YXZ1					
2x1,5	9,1	117	12,1	30	24
2x2,5	9,9	147	7,41	40	32
2x4	10,4	179	4,61	52	42
2x6	11,9	248	3,08	64	53
2x10	14,3	358	1,83	86	73
2x16	16,4	532	1,15	111	96
2x25	19,2	776	0,727	143	130
2x35	21,6	1029	0,524	173	160
2x50	25	1388	0,387	205	195

CONSTRUCTION

Halogen Free , Flame Retardant XLPE Insulated , Multi-Core Cables



TECHNICAL SPECIFICATIONS

CODE	N2XH / YXZ1		
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1

250 °C Max. Short Circuit Temperature

90 °C Max. Operating Temperature

Test Voltage (AC 3,5 Kv)

Low Smoke Density (EN 61034-2)

Min. Bending Radius
12xD

Pb Lead Free

0,6 / 1 kV Rated Voltage U₀/U

Flame Retardant Test of Bunched Cable
EN / IEC 60332-3-24 Cat. C

Halogen Free (EN / IEC 60754-1 / EN / IEC 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , shcools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



TECHNICAL DATA

Cu/XLPE/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
N2XH / YXZ1					
3x1,5	9,6	135	12,1	30	24
3x2,5	10,5	175	7,41	40	32
3x4	11,4	232	4,61	52	42
3x6	12,5	303	3,08	64	53
3x10	15,7	490	1,83	86	73
3x16	17,3	673	1,15	111	96
3x25	20,5	1005	0,727	143	130
3x35	22,8	1328	0,524	173	160
3x50	26,5	1799	0,387	205	195
3x70	30,3	2510	0,268	252	247
3x95	34,3	3366	0,193	303	305
3x120	38,8	4263	0,153	346	355
3x150	42,2	5190	0,124	390	407
3x185	46,7	6440	0,0991	441	469
3x240	53,5	8397	0,0754	511	551

CONSTRUCTION

Halogen Free , Flame Retardant XLPE Insulated , Multi-Core Cables



TECHNICAL SPECIFICATIONS

CODE	N2XH / YXZ1		
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1

250 °C Max. Short Circuit Temperature

90 °C Max. Operating Temperature

Test Voltage (AC 3,5 Kv)

Low Smoke Density (EN 61034-2)

Min. Bending Radius
12xD

Lead Free

0,6 / 1 kV Rated Voltage U₀/U

Flame Retardant Test of Bunched Cable
EN / IEC 60332-3-24 Cat. C

Halogen Free (EN / IEC 60754-1 / EN / IEC 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , schools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



TECHNICAL DATA

Cu/XLPE/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
N2XH / YXZ1					
3x16+10	19,7	840	1,15/1,83	111	96
3x25+16	22,9	1230	0,727/1,15	143	130
3x35+16	25,1	1542	0,524/1,15	173	160
3x50+25	28,7	2086	0,387/0,727	205	195
3x70+35	32,5	2874	0,268/0,524	252	247
3x95+50	36,8	3850	0,193/0,387	303	305
3x120+70	41,5	4932	0,153/0,268	346	355
3x150+70	44,8	5813	0,124/0,268	390	407
3x185+95	48,8	7212	0,0991/0,193	441	469
3x240+120	56,9	9526	0,0754/0,153	511	551
4x1,5	10,4	162	12,1	30	24
4x2,5	11,3	210	7,41	40	32
4x4	12,6	292	4,61	52	42
4x6	13,9	386	3,08	64	53
4x10	16,8	598	1,83	86	73
4x16	19,2	860	1,15	111	96
4x25	22,5	1275	0,727	143	130

CONSTRUCTION

Halogen Free , Flame Retardant XLPE Insulated , Multi-Core Cables



INSULATION
Cross-Linked
Polyethylene



CONDUCTOR
Solid or
Stranded Copper



FILLER
Halogen Free
Flame
Retardant



OUTER SHEATH
Halogen Free
Flame
Retardant

TECHNICAL SPECIFICATIONS

CODE	N2XH / YXZ1		
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1



Max. Short Circuit Temperature



Max. Operating Temperature



Test Voltage (AC 3,5 Kv)



Low Smoke Density (EN 61034-2)



Min. Bending Radius
12xD



Lead Free



Rated Voltage U₀/U



Flame Retardant Test of Bunched Cable

EN / IEC 60332-3-24 Cat. C



Halogen Free (EN / IEC 60754-1 / EN / IEC 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , schools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



TECHNICAL DATA

Cu/XLPE/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
N2XH / YXZ1					
4x35	25,5	1719	0,524	173	160
4x50	29,1	2292	0,387	205	195
4x70	33,6	3233	0,268	252	247
4x95	37,8	4321	0,193	303	305
4x120	42,8	5473	0,153	346	355
4x150	46,8	6699	0,124	390	407
4x185	52	8341	0,0991	441	469
4x240	60,9	11067	0,0754	511	551
5x1,5	10,9	183	12,1	30	24
5x2,5	12,2	250	7,41	40	32
5x4	13,6	349	4,61	52	42
5x6	14,9	460	3,08	64	53
5x10	18,2	722	1,83	86	73
5x16	21	1052	1,15	111	96
5x25	25	1585	0,727	143	130
5x35	28,1	2121	0,524	173	160

CONSTRUCTION

Halogen Free , Flame Retardant , XLPE
Insulated , Multi-Core Armoured Cables



- ① **INSULATION**
Cross-Linked Polyethylene
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Halogen Free Flame Retardant
- ④ **OUTER SHEATH**
Halogen Free Flame Retardant
- ⑤ **ARMOUR**
Galvanized Round Steel Wire

TECHNICAL SPECIFICATIONS

CODE	N2XRH / YXZ2Z1			
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1	TSE K 339

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 Kv)

Low Smoke Density (EN 61034-2)

Min. Bending Radius
15xD

Lead Free

Rated Voltage U₀/U

Flame Retardant Test of Bunched Cable
EN / IEC 60332-3-24 Cat. C

Halogen Free (EN / IEC 60754-1 / EN / IEC 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , shcools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



TECHNICAL DATA

Cu/XLPE/SWA/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity			
				In the conduit (A)		In the air (A)	
N2XRH / YXZ2Z1				∞	∞	∞	∞
1x4	6,7	77	4,61	66	55	56	44
1x6	7,2	98	3,08	82	68	71	57
1x10	8,1	142	1,83	109	90	96	77
1x16	9	200	1,15	139	115	128	102
1x25	10,4	294	0,727	179	149	173	139
1x35	11,5	389	0,524	213	178	212	170
1x50	13	516	0,387	251	211	258	208
1x70	14,7	720	0,268	307	259	328	265
1x95	16,4	962	0,193	366	310	404	329
1x120	18,3	1205	0,153	416	352	471	381
1x150	20,2	1488	0,124	465	396	541	438
1x185	22,4	1852	0,0991	526	449	626	507
1x240	25,6	2409	0,0754	610	521	749	606
1x300	28,9	3072	0,0601	689	587	864	697
1x400	34	3874	0,0470	788	669	1018	816
1x500	39,2	5023	0,0366	889	748	1173	933

CONSTRUCTION

Halogen Free , Flame Retardant , XLPE
Insulated , Multi-Core Armoured Cables



- 

1 INSULATION
Cross-Linked
Polyethylene
- 

2 CONDUCTOR
Solid or
Stranded Copper
- 

3 FILLER
Halogen
Free
Flame
Retardant
- 

4 OUTER SHEATH
Halogen Free Flame
Retardant
- 

5 ARMOUR
Galvanized Round
Steel Wire

TECHNICAL SPECIFICATIONS

CODE	N2XRH / YXZ2Z1			
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1	TSE K 339

 Max. Short Circuit Temperature

 Max. Operating Temperature

 Test Voltage (AC 3,5 Kv)

 Low Smoke Density (EN 61034-2)

 Min. Bending Radius
12xD

 Lead Free

 Rated Voltage U₀/U

 Flame Retardant Test of Bunched Cable
EN / IEC 60332-3-24 Cat. C

 Halogen Free (EN / IEC 60754-1 / EN / IEC 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , shcools , tunnels , high buildings ,
Hospitals , data processing centers and people-intensive business centers
And fire-sensitive regions.



TECHNICAL DATA

Cu/XLPE/SWA/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
N2XRH / YXZ2Z1					
2x1,5	14	342	12,1	31	24
2x2,5	14,5	390	7,41	40	31
2x4	15,5	458	4,61	52	41
2x6	17	546	3,08	65	53
2x10	19,5	788	1,83	87	72
2x16	21,5	1012	1,15	113	96
2x25	26	1544	0,727	146	130
2x35	28	1836	0,524	176	160
2x50	30,5	2244	0,387	208	195
2x70	34,5	2896	0,268	256	247
2x95	38,5	3870	0,193	307	305
2x120	42	4626	0,153	349	355
2x150	45,5	5512	0,124	391	407
2x185	51	6990	0,0991	442	469
2x240	56,5	8716	0.0754	509	551

CONSTRUCTION

Halogen Free , Flame Retardant , XLPE
Insulated , Multi-Core Armoured Cables



- 1 **INSULATION**
Cross-Linked Polyethylene
- 2 **CONDUCTOR**
Solid or Stranded Copper
- 3 **FILLER**
Halogen Free Flame Retardant
- 4 **OUTER SHEATH**
Halogen Free Flame Retardant
- 5 **ARMOUR**
Galvanized Round Steel Wire

TECHNICAL SPECIFICATIONS

CODE	N2XRH / YXZ2Z1			
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1	TSE K 339

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 Kv)

Low Smoke Density (EN 61034-2)

Min. Bending Radius
12xD

Lead Free

Rated Voltage Uo/U

Flame Retardant Test of Bunched Cable
EN / IEC 60332-3-24 Cat. C

Halogen Free (EN / IEC 60754-1 / EN / IEC 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , shools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



TECHNICAL DATA

Cu/XLPE/SWA/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
N2XRH / YX2Z21					
3x1,5	14,5	366	12,1	31	24
3x2,5	15	426	7,41	40	31
3x4	16,5	508	4,61	52	41
3x6	17,5	614	3,08	65	53
3x10	20	898	1,83	87	72
3x16	22,5	1172	1,15	113	96
3x25	27	1794	0,727	146	130
3x35	29	2162	0,524	176	160
3x50	32	2684	0,387	208	195
3x70	37	3722	0,268	256	247
3x95	40,5	4712	0,193	307	305
3x120	44,5	5692	0,153	349	355
3x150	49,5	7202	0,124	391	407
3x185	54	8598	0,0991	442	469
3x240	60	10812	0,0754	509	551
3x25+16	30	2100	0,727/1,15	146	130
3x35+16	31	2440	0,524/1,15	176	160
3x50+25	35	3100	0,387/0,727	208	195
3x70+35	40	4230	0,268/0,524	256	247
3x95+50	44	5340	0,193/0,387	307	305

CONSTRUCTION

Halogen Free , Flame Retardant , XLPE
Insulated , Multi-Core Armoured Cables



- ① **INSULATION**
Cross-Linked Polyethylene
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Halogen Free Flame Retardant
- ④ **OUTER SHEATH**
Halogen Free Flame Retardant
- ⑤ **ARMOUR**
Galvanized Round Steel Wire

TECHNICAL SPECIFICATIONS

CODE	N2XRH / YXZ2Z1			
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1	TSE K 339

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 Kv)

Low Smoke Density (EN 61034-2)

Min. Bending Radius
12xD

Lead Free

Rated Voltage Uo/U

Flame Retardant Test of Bunched Cable
EN / IEC 60332-3-24 Cat. C

Halogen Free (EN / IEC 60754-1 / EN / IEC 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , schools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



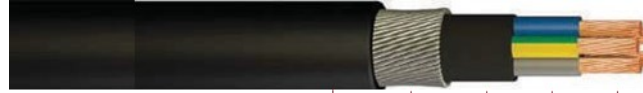
TECHNICAL DATA

Cu/XLPE/SWA/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
N2XRH / YX22Z1					
3x120+70	49	6600	0,153/0,268	349	355
3x150+70	53	8100	0,124/0,268	391	407
3x185+95	59	9800	0,0991/0,193	442	469
3x240+120	65	12250	0,0754/0,153	509	551
4x1,5	15	404	12,1	31	24
4x2,5	16	476	7,41	40	31
4x4	17	578	4,61	52	41
4x6	19,5	792	3,08	65	53
4x10	21,5	1042	1,83	87	72
4x16	24,5	1506	1,15	113	96
4x25	29	2128	0,727	146	130
4x35	31,5	2598	0,524	176	160
4x50	34,5	3242	0,387	208	195
4x70	40	4520	0,268	256	247
4x95	44	5780	0,193	307	305
4x120	49,5	7426	0,153	349	355
4x150	54	8840	0,124	391	407
4x185	59	10708	0,0991	442	469
4x240	66	13490	0,0754	509	551

CONSTRUCTION

Halogen Free , Flame Retardant , XLPE
Insulated , Multi-Core Armoured Cables



- ① **INSULATION**
Cross-Linked Polyethylene
- ② **CONDUCTOR**
Solid or Stranded Copper
- ③ **FILLER**
Halogen Free Flame Retardant
- ④ **OUTER SHEATH**
Halogen Free Flame Retardant
- ⑤ **ARMOUR**
Galvanized Round Steel Wire

TECHNICAL SPECIFICATIONS

CODE	N2XRH / YXZ2Z1			
STANDARDS	DIN VDE 0276-604	TS HD 604 S1	TS IEC C60502-1	TSE K 339

Max. Short Circuit Temperature

Max. Operating Temperature

Test Voltage (AC 3,5 Kv)

Low Smoke Density (EN 61034-2)

Min. Bending Radius
12xD

Lead Free

Rated Voltage U₀/U

Flame Retardant Test of Bunched Cable
EN / IEC 60332-3-24 Cat. C

Halogen Free (EN / IEC 60754-1 / EN / IEC 60754-2)

APPLICATION AREAS

It's used in refineries , hotels , schools , tunnels , high buildings , Hospitals , data processing centers and people-intensive business centers And fire-sensitive regions.



TECHNICAL DATA

Cu/XLPE/SWA/HFFR

Nominal Cross Section (mm²)	Cable Overall Diameter (mm)	Approximate Net We- ight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Current Carrying Capacity	
				In the conduit (A)	In the air (A)
N2XRH / YXZ2Z1					
5x1,5	16	448	12,1	31	24
5x2,5	17	532	7,41	40	31
5x4	19	742	4,61	52	41
5x6	20,5	900	3,08	65	53
5x10	23	1192	1,83	87	72
5x16	26,5	1756	1,15	113	96
5x25	31,5	2500	0,727	146	130
5x35	34	3068	0,524	176	160
7x1,5	16	448	12,1	16	15,6
7x2,5	18	634	7,41	21	20,8

CABLE TECHNICAL INFORMATION

Stranded and Thin Multi-Wire Copper Conductor

Stranded Copper Conductor Class 2

TECHNICAL DATA		Cu				Mechanical (Single Wire) properties of copper conductor	
Nominal Cross Section (mm ²)	Number of Wires	Single Wire Diameter mm	Conductor Diameter mm	Approximate Net Weight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Min. Lying Down	Min. Strength
COPPER CONDUCTORS							
1,5	7	0,53	1,59	13	12,1	24	200
2,5	7	0,67	2,01	21	7,41	24	200
4	7	0,85	2,55	35	4,61	24	200
6	7	1,05	3,15	52	3,08	26	200
10	7	1,35	3,85	87	1,83	26	200
16	7	1,74	4,8	137	1,15	28	200
25	7	2,19	5,8	215	0,727	28	200
35	7	2,62	6,9	300	0,524	28	200
50	10	2,62	8,2	410	0,387	28	200
70	14	2,62	9,7	595	0,268	28	200
95	19	2,62	11,4	820	0,193	28	200
120	24	2,62	13,1	1040	0,153	28	200
150	30	2,62	14,2	1280	0,124	28	200
185	37	2,62	15,8	1600	0,0991	28	200
240	48	2,62	18,6	2100	0,0754	28	200
300	58	2,62	20,4	2700	0,0601	28	200
400	55	3	23	3400	0,0470	33	200
500	70	3	26	4400	0,0366	33	200

Thin Multi-Wire Copper Conductor Class 5

TECHNICAL DATA		Cu				Mechanical (Single Wire) properties of copper conductor	
Nominal Cross Section (mm ²)	Number of Wires	Single Wire Diameter mm	Conductor Diameter mm	Approximate Net Weight (kg/km)	Conductor Resistance Max.ohm/km (20C°)	Min. Lying Down	Min. Strength
COPPER CONDUCTORS							
0,5	16	0,19	0,95	4,3	39	21	200
0,75	24	0,19	1,15	6,3	26	21	200
1	32	0,19	1,3	8,5	19,50	21	200
1,5	30	0,24	1,5	12	13,30	21	200
2,5	45	0,25	1,95	20	7,98	21	200
4	50	0,3	2,5	33	4,95	21	200
6	75	0,3	3,1	49	3,3	21	200
10	74	0,4	4,1	83	1,91	22	200
16	116	0,4	5,25	133	1,21	22	200
25	224	0,35	6,6	204	0,780	22	200
35	329	0,35	7,75	290	0,554	22	200
50	470	0,35	9,25	414	0,386	22	200
70	658	0,35	11	580	0,272	22	200
95	893	0,35	13,1	785	0,206	22	200
120	1128	0,35	14,2	1000	0,161	22	200
150	1410	0,35	15,8	1240	0,129	22	200
185	1739	0,35	18,6	1530	0,106	22	200
240	2256	0,35	21	2000	0,0801	22	200
300	2820	0,35	23	2500	0,0541	22	200

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