



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	XLPE compound (Cross-linked polyethylene), 2XII type (VDE 0276-604, IEC 60502-1)
Screen	Al-Pes Tape (%100 covered)
Screen	Tinned copper wire braiding
Sheath	Halogen-Free compound, TM7 type (EN 50363-8)
Color	Black, Grey or Orange

MAIN CHARACTERISTICS

Construction	Based on IEC 60502-1
General Requirements	VDE 0250-1
Guide to Use	VDE 0276-604, HD 604
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295, BS 6360
Flame Retardant	IEC 60332-1-2, IEC 60332-3-24 Cat C
Halogen Content	IEC 60754-1/2
Smoke Density	IEC 61034-1/2

OPERATING CHARACTERISTICS

Rated Voltage	600 / 1000 V (U ₀ /U)
AC Test Voltage	4 kV
Working Temperature	-30°C to +90°C
Conductor Short-Circuit Temp.	250°C (Max. 5 sec)
Min. Installation Temp.	-5 °C
Min. Bending Radius	VDE 276-604, HD 604 S1 Part 4
Current Carrying Capacities	IEC 60364-5-52 Tab.B12

APPLICATIONS

These cables are used as motor power supply cables with frequency converters where there is electromagnetic interference exist. Generally used in industries like automotive, air conditioning, packing, chemical and food. They can be used in dry, wet, oily and damp places inside under medium mechanical stress. Thanks to its characteristic it's flame retardant and halogen free, available to use in areas when higher safety required in case of fire.



Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
4x1,5	10,60	160	106	13,30
4x2,5	12,00	225	120	7,98
4x4	13,20	290	132	4,95
4x6	14,60	380	146	3,30
4x10	17,50	592	175	1,91
4x16	20,30	866	203	1,21
4x25	25,80	1315	258	0,780
4x35	28,30	1750	283	0,554
4x50	32,90	2380	329	0,386
4x70	38,70	3432	387	0,272
4x95	42,80	4315	428	0,206
4x120	47,80	5441	478	0,161
4x150	52,60	6675	526	0,129
4x185	58,50	8065	585	0,106
3x2,5+3x0,50	14,80	306	148	7,98
3x4+3x0,75	13,20	310	132	4,95
3x6+3x1	18,30	480	183	3,30
3x10+3x1,5	18,50	585	185	1,91
3x16+3x2,5	21,50	848	215	1,21
3x25+3x4	23,70	1130	237	0,780
3x35+3x6	26,00	1500	260	0,554
3x50+3x10	30,10	2095	301	0,386
3x70+3x10	34,70	2785	347	0,272
3x95+3x16	38,70	3588	387	0,206
3x120+3x16	43,00	4485	430	0,161
3x150+3x25	47,20	5641	472	0,129
3x185+3x35	52,60	6930	526	0,106
3x240+3x50	59,80	9220	598	0,0801