








General Construction

 Conductor:	Flexible bare copper (Class 5)
Insulation:	Polyethylene
Core Identification:	Colours acc. to DIN VDE 0293 (HD308)
Screen:	Aluminium foil + Fnned copper braid; coverage 85%
Sheath:	Outer sheath: PVC, enforced Colour: black

Technical data

 Nominal voltage:	0,6/1 kV
 Test voltage:	4 kV
 Operating voltage:	1,2 kV
 Transfer impedance:	150 Ohm/km
 Operating temperature range:	-30°C to +70°C (Fixed) -5°C to +70°C (Flex)
Flame:	VDE 0482-332-1-2 / IEC 60332-1-2

Movement Data @20°C

 Bending radius (<12 mm):	5 x Ø (Fixed) 10 x Ø (Flex)
Bending radius (12-20 mm):	7,5 x Ø (Fixed) 15 x Ø (Flex)
Bending radius (>20 mm):	10 x Ø (Fixed) 20 x Ø (Flex)

Approval

Oil-resistant: EN 60811-404

UV-resistant: yes

Name	Cable Type	Ø mm	Weight Kg/Km
2Y3X1,5+3G0,25	3 x 1,5 + 3 x 0,25	10,2	140,0
2Y3X2,5+3G0,50	3 x 2,5 + 3 x 0,5	11,4	220,0
2Y3X4+3G0,75	3 x 4 + 3 x 0,75	13,1	323,0
2Y3X6+3G1	3 x 6 + 3 x 1	14,9	420,0
2Y3X10+3G1,5	3 x 10 + 3 x 1,5	18,4	615,0
2Y3X16+3G2,5	3 x 16 + 3 x 2,5	21,6	819,0
2Y3X25+3G4	3 x 25 + 3 x 4	25,3	1.402,0
2Y3X35+3G6	3 x 35 + 3 x 6	27,8	1.718,0
2Y3X50+3G10	3 x 50 + 3 x 10	32,6	2.399,0
2Y3X70+3G10	3 x 70 + 3 x 10	38,9	3.173,0
2Y3X95+3G16	3 x 95 + 3 x 16	44,3	4.162,0
2Y3X120+3G16	3 x 120 + 3 x 16	46,8	5.253,0
2Y3X150+3G25	3 x 150 + 3 x 25	53,5	6.128,0
2Y3X185+3G35	3 x 185 + 3 x 35	59,5	7.450,0
2Y3X240+3G50	3 x 240 + 3 x 50	70,0	10.800,0
2Y3X300+3G70	3 x 300 + 3 x 70	74,0	13.760,0
2Y4G1,5	4 x 1,5	10,4	154,0
2Y4G2,5	4 x 2,5	12,3	229,0
2Y4G4	4 x 4	14,5	339,0
2Y4G6	4 x 6	16,8	451,0
2Y4G10	4 x 10	19,7	667,0
2Y4G16	4 x 16	22,0	892,0
2Y4G25	4 x 25	27,0	1.440,0
2Y4G35	4 x 35	30,3	1.861,0
2Y4G50	4 x 50	35,0	2.547,0
2Y4G70	4 x 70	39,4	3.404,0
2Y4G95	4 x 95	46,0	4.888,0
2Y4G120	4 x 120	51,4	5.703,0
2Y4G150	4 x 150	58,8	7.040,0
2Y4G185	4 x 185	61,1	9.150,0
2Y4G240	4 x 240	70,0	12.500,0



LOW VOLTAGE CURRENT CARRYING CAPACITY

Current-carrying capacity (IZ) insulated flexible copper conductors, ambient air temperature +40°C for different methods of installation with correction factor based on ambient temperature

Section mm ²	PUR / XLPE / HEPR (40°C)		Cables on walls	PVC (40°C)
	Cables on walls	Cables on open cable trays		
0,75	-	-	9,8	10,4
1	-	-	11,7	12,4
1,5	19,9	20,9	15,2	16,1
2,5	27,7	29,1	21	22
4	36,3	38,2	28	30
6	46,7	49,1	36	37
10	64,8	68,3	50	52
16	86,5	91,0	66	70
25	109,8	115,6	84	88
35	136,6	143,8	104	110
50	166,0	174,7	125	133
70	212,7	223,9	160	171
95	257,6	271,2	194	207
120	299,1	314,9	225	240
150	344,9	363,1	259,5	275
185	394,2	415,0	295,3	313
240	465,1	489,6	349	370
300	536,9	565,1	404,8	429
400	-	-	457,6	485
500	-	-	515	546

CORRECTION FACTORS FOR TEMPERATURE

Ambient temperature °C	30	35	40	45	50	55	60
Correction factor	1,15	1,08	1	0,91	0,82	0,71	0,58