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Life Possible

CONTROL AND ELECTRONIC CABLES

2XSL(St)CH-J 0.6/1 kV EMV-3 PLUS

XLPE/FRNC motor power supply cable,
halogen-free, screened



TECHNICAL DATA



Standard
DIN VDE 0276-603



Test Voltage
4000 V / 50 Hz



Rated Voltage
0.6/1 kV (U₀/U)



Bending radius (min.)
Fixed installation: 7.5 x Ø of cable
Flexible use: 15 x Ø of cable



Fire properties
EN 60332-1-2: self-extinguishing and flame retardant
EN 60332-3-24 (Category C): reduced flame propagation
EN 61034: smoke density
EN 60754: halogen-free
CPR classification: Dca



Core identification
HD 308 S2



Temperature range
Conductor temperature: max. 90°C
Fixed installation: -30°C up to 80°C
Flexible use: -5°C up to 70°C

DESIGN



1

Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228

2

Core insulation of cross-linked polyethylene (XLPE)

3

Cores are stranded together with optimal lay-length

4

Plastic tape separation (optional)

5

Plastic bonded aluminium tape and tinned copper wire braiding

6

Outer sheath of special flame retardant non-corrosive compound (FRNC), colour: black (RAL 9005)

Number of cores x nominal cross-section (mm ²)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
3 x 1.5 + 3 G 0.25	10.2	212
3 x 2.5 + 3 G 0.5	11.8	276
3 x 4 + 3 G 0.75	13.4	446
3 x 6 + 3 G 1	15.3	582
3 x 10 + 3 G 1.5	18.6	794
3 x 16 + 3 G 2.5	21.5	1188
3 x 25 + 3 G 4	25.5	1713
3 x 35 + 3 G 6	28.3	2402
3 x 50 + 3 G 10	33.0	2718
3 x 70 + 3 G 10	37.0	3636
3 x 95 + 3 G 16	41.0	4978
3 x 120 + 3 G 16	43.8	5077

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