

INSTALLATION AND HARMONISED CABLES AND WIRES

H07Z-K

XLPE insulated wire, halogen-free



TECHNICAL DATA



Standard
EN 50525-3-41

6 x Ø over 12 mm



Test Voltage
2500 V / 50 Hz



Rated Voltage
450/750 V (U₀/U)



Bending radius (min.)
Fixed installation: 3 x Ø up to 12 mm
4 x Ø over 12 mm
Flexible use: 5 x Ø up to 12 mm



Fire properties
EN 60332-1-2: self-extinguishing and flame retardant



Core identification
According to EN 50525-1 – black, white, blue, brown, red, orange, violet, pink, green/yellow, yellow, green, grey



Temperature range
Fixed installation: -40°C up to 90°C
Flexible use: -20°C up to 90°C

DESIGN



1

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

2

Core insulation of special halogen-free, flame retardant compound based on cross-linked polymer (XLPE)

Number of cores x nominal cross-section	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
1 x 1.5	2.9	14.4	20
1 x 2.5	3.6	24	31
1 x 4	4.8	38	51
1 x 6	6.0	58	71
1 x 10	6.7	96	118
1 x 16	8.2	154	180
1 x 25	10.2	240	278
1 x 35	11.5	336	375
1 x 50	13.6	480	560
1 x 70	16.0	672	780
1 x 95	18.4	912	952
1 x 120	20.3	1152	1200
1 x 150	22.7	1440	1530
1 x 185	25.3	1776	1900
1 x 240	28.3	2304	2450

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