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INSTALLATION AND HARMONISED CABLES AND WIRES

H05Z-K

XLPE insulated wire, halogen-free



TECHNICAL DATA



Standard
EN 50525-3-41



Test Voltage
2000 V / 50 Hz



Rated Voltage
300/500 V (U₀/U)



Bending radius (min.)
Fixed installation: 3 x ϕ of cable
Flexible use: 5 x ϕ of cable



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 (mm ²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
1x0,5	2.2	4.8	9
1x0,75	2.4	7.2	12
1x1	2.6	9.6	14

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