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GigaLine® abbreviations – for easy identification of the structural elements to be found in fibre optic cables

Indoor fibre optical cable

0 1 2 3 4 5 6 7 8 / 9 10 11 12

KL Fibre optical communication cable

J Indoor cable
AT Indoor cable, breakout

V Semi-loose tube
D Filled loose tube

(ZN) Non-metallic strain relief elements

H Halogen-free flame-retardant sheath of basic element (AT only)

H Halogen-free flame-retardant sheath

Number of fibres / number of loose tubes x number of Fibres per loose tube

G Multimode fibre
E Single-mode fibre

Core diameter in µm (multimode fibre)
Field diameter in µm (single-mode fibre)

Cladding diameter in µm

Attenuation coefficient in dB/km

Wavelength
B = 850 nm
F = 1,300/1,310 nm
H = 1,550 nm

Bandwidth in MHz for 1 km in the case of multimode fibres, dispersion parameter in ps/nm for 1 km in the case of single-mode fibres

All the necessary PLANNING DOCUMENTS are available in the Internet: **www.kerpen.com**

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Universal fibre optic/outdoor cables

0 1 2 3 4 5 6 7 8 / 9 10 11 12

Bandwidth in MHz for 1 km in the case of multimode fibres, dispersion parameter in ps/nm for 1 km in the case of single-mode fibres

Wavelength
B = 850 nm
F = 1,300/1,310 nm
H = 1,550 nm

Attenuation coefficient in dB/km

Cladding diameter in µm

Core diameter in µm (multimode fibre)
Field diameter in µm (single-mode fibre)

G Multimode fibre
E Single-mode fibre

Number of fibres/number of loose tubes x number of Fibres per loose tube

(SR)2Y Corrugated steel sheath with outer sheath made of PE
B2Y Armour with outer sheath made of PE
2Y Outer sheath made of PE
(L)2Y Layered sheath
H Halogen-free flame-retardant outer sheath

(ZN) Non-metallic strain relief elements
(ZNS) Non-metallic strain relief elements and rodent protection elements

F Filling compound in cable core
Q Water blocking tape over cable core

D Filled loose tube

A Outdoor cable
U Universal cable

KL Fibre optical communication cable

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