

S/FTP Cat. 7 LSOH 2Y F_{ca}

Data transmission cable, 900 MHz
+70 °C service temperature, individual & collective screen, zero halogen, UV resistant
EN 50288, IEC 61156 and EN 50575

Application

Data transmission cable for generic cabling systems acc. to ISO/IEC 11801 and EN 50173 (3rd edition). Ideal for all applications of class D up to F Multimedia (Video, Data, Voice) >10 GbE acc. to IEEE 802.3 an, cable sharing, VoIP, PoE/PoE+.
For outdoor application and direct burial.

Construction



- | | |
|-----------------------|---|
| 1. Conductor: | Copper conductor, bare, solid |
| 2. Insulation: | PE (Polyethylene)
WH/BU, WH/OG, WH/GN, WH/BN |
| 3. Individual screen: | Laminated Alu/PETP tape |
| 4. Screen: | Tinned copper wire braid |
| 5. Outer sheath: | PE, black |

Technical information

Bandwith		900 MHz
Operating Voltage		125 V
Characteristics impedance at 100 MHz		100 +/- 5Ω
Conductor resistance	max.	75 Ω/km
Insulation resistance	min.	5 G Ω * km
Mutual capacitance	approx.	42 pF/m
Capacitance unbalance	approx.	1100 pF/km
Nominal Velocity of Propagation		80%
Operating temperature	fixed installation	-25 °C to 70 °C
	mobile operation	-10 °C to 50 °C
Min. bending radius mm	during installation	8 x outer diameter in mm
	after installation	4 x outer diameter in mm
Max. tensile load		110 N
Safety parameters		
Reaction to fire		EN 50399 F _{ca}
Halogen free		IEC 60754-1/-2
Smoke density		IEC 61034-1/ -2
Additional parameters		
UV resistance		UL 1581 and ISO 4892

Size	Outer Ø nom.	Weight nom.
approx. mm	approx. mm	approx. kg/km
4 x 2 x AWG23/1	9,0	70

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.

All information is for guidance only without liability. Subject to change without notice.

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