

# LAN cable

## dataline 1000 STP (S-FTP)



**Application:** For the connection of IT system units in the desktop area (tertiary sector), e.g. between floor distributors and workstation up to 1000 Mbit/s (category 7+). It fully complies with the electromagnetic compatibility requirements (EMC) of European Standard EN 55022 and the guidelines of the European Postal Administration. Furthermore, the copper braiding ensures perfect matching with screened connectors.

### Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Dca
<b>Specification/Standard:</b>	ISO/IEC 11801-1:2017-11 - ISO/IEC 11801-6:2017-11, IEC 61156-5:2020
<b>Conductor material:</b>	copper, bare
<b>Insulation:</b>	foam-PE
<b>Screen over stranding unit:</b>	Foil
<b>Screen over strand:</b>	tinned copper braid
<b>Sheathing material:</b>	FRNC-compound HM2
<b>Colour of outer sheath:</b>	orange RAL 2004
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Smoke density:</b>	DIN EN 61034/IEC 61034
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<b>Permitted outer cable temperature, fixed, °C:</b>	-20 - +70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	0 - 50 °C
<b>Bending radius, fixed installation:</b>	4 x Ø
<b>Bending radius, moving application:</b>	8 x Ø
<b>Impedance:</b>	100 Ohm
<b>Transfer impedance:</b>	5 Ohm/km
<b>Velocity factor (NVP):</b>	0.78 v/c
<b>Category:</b>	7+
<b>Segregation class (EN 50174-2):</b>	d
<b>Power over Ethernet (PoE):</b>	PoE+/IEEE 802.3at Type 2



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

dataline 1000

Maximum operating capacity: 56 nF/km

Test voltage: 2.5 kV

Core identification: colours acc. to IEC 60708

part name	DI [mm]	RI [Ohm/km]	Ø [mm]	Ev [kWh/m]	Fzv [N]	Cu	G [kg]
dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR Reel in Box 200 m	0.56	75	7.5	0.19	98	32	52

DI	diameter conductor
RI	Conductor resistance
w	Width
h	Height
Ø	outer diameter approx.
Ev	Combustion heat (fire load)
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000