



Application:

Our 1000 MHz cable types exceed the legal requirements established in the standard for category 7 cables. They are designed for transmission rates of up to 1000 MHz and can be used for all structured cabling systems up to and including class F. Including PoE and PoE +. With additional PE sheath especially suitable for outdoor use and direct laying of the ground.

Structure:

Conductor	Solid copper conductor AWG23
Cores	Foamed plastic insulation
Shield	Single shielding from plastic-laminated aluminium foil, outer conducting surface (PIMF), overall braided shield, tin-plated copper mesh
Sheath	Halogen-free sheath
Outer Sheath	PE Outer Sheath black outer diameter 8,7mm

Technical Data:

Insulation resistance	> 500MΩ.km/500 V
Wave resistance	100 +- 5Ω/100MHz
Loop resistance	< 19Ω/100m
Transfer impedance	< 7mΩ/m 10MHz
NVP	77%
Delay skew	≤ 5ns/100m
NEXT	92,0dB/1000MHz
ACR	22,0dB/1000MHz
RL	26,0dB/1000MHz
Installation recommendation:	
Min. bending radius	Installation: 70 mm, Betrieb: 35 mm
Max. tensile stress	110N
Temperature	Installation: 0°C bis +50°C, Operation: -20°C bis +75°C

Normen:

ISO/IEC 11801, EN50173,
IEC61156-5,
EN 50288-9-1,
IEEE 802.3bt 90W 4PPoE

Special Features

Characteristics

PE Outer Coat
UV constant

Coat colour

black

Version	Presentation	Outer Ømm	Article number
Data Cable S/FTP 4x2xAWG23 1000MHz PE Cat.7 black	100/500/1000m	8,7	11370020