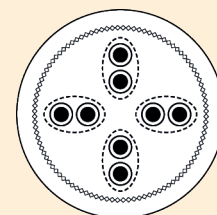


# S/FTP 4x2xAWG23 1000 MHz Cat.7

RoHS

## CROSS SECTION



## 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.

## 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
Outer sheath	Halogen-free outer sheath, outer diameter: 7.4 mm

## TECHNICAL DATA

Insulation resistance	> 500 MΩm/km/500 V
Wave resistance	100 +/- 5 Ωm/100 MHz
Loop resistance	< 19 Ωm/100 m
Transfer impedance	< 7mΩ/m 10 MHz
NVP	80%
Delay skew	≤ 5 ns/100 m
NEXT	81.3 dB/1000 MHz
ACR	21 dB/1000 MHz
RL	20 dB/1000 MHz

### INSTALLATION RECOMMENDATION:

Min. bending radius	Installation: 60 mm, operation: 30 mm
Max. tensile stress	110 N
Temperature	Installation: 0°C to +50°C, operation: -20°C to +60°C
Flame retardancy	According to IEC 60332-1-2
Halogen-free nature	According to IEC 60754-2
Smoke density	According to IEC 61034
Fire load (MJ/m)	0.2
Legislative cross references	EN 50173-1: 2011-09 ISO/IEC 11801 IEC 61156-5

## SPECIAL FEATURES

**Properties**  
Halogen free

**Sheath colour**  
Orange or magenta

Product description	Cu weight	Outer Ø ( mm)	Weight (kg/km)	Fire load (MJ/m)
Data cable S/FTP 4x2xAWG23 1000 MHz Cat.7 magenta	34.0	7.4	55	0.20
Data cable S/FTP 4x2xAWG23 1000 MHz Cat.7 orange	34.0	7.4	55	0.20