S/FTP 4x2xAWG22 1500 MHz
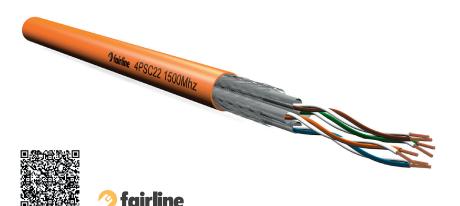## Cat.7A

RoHS

CROSS SECTION

SPECIAL FEATURES

Properties
Halogen free

Sheath colour
Orange

APPLICATION

Installation cable for use for structured building cabling in accordance with ISO/IEC 11801 and EN 50173. Ideally suited for all applications in classes D to FA multimedia (video, data, voice), > 10 GbE according to IEEE 802.3, VoIP, PoEP

STRUCTURE

Conductor	Solid copper conductor AWG22
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: 7.8 mm

TECHNICAL DATA

Insulation resistance	> 500 MOhm/km/500 V
Wave resistance	100 +- 5 Ohm/100 MHz
Loop resistance	< 19 Ohm/100 m
Transfer impedance	< 7mΩ/m 10MHz
NVP	78%
Delay skew	≤ 5 ns/100 m
NEXT	91 dB/1000 MHz 82 dB/1500 MHz
ACR	35 dB/1000 MHz 12 dB/1500 MHz
RL	25 dB/1000 MHz 23 dB/1500 MHz

INSTALLATION RECOMMENDATION:

Min. bending radius	Installation: 63 mm, operation: 31 mm
Max. tensile stress	100 N
Temperature	Installation: 0°C to +50°C, operation: -20°C to +75°C
Flame retardancy	According to IEC 60332-3-24
Halogen-free nature	According to IEC 60754-2
Smoke density	According to IEC 61034
Fire load (MJ/m)	0.59
Legislative cross references	EN 50173-1; 2011-09 ISO/IEC 11801 ed2 IEC 61156-5 ed2

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
Data cable S/FTP 4x2xAWG22 1500 MHz Cat7A orange	39.0	7.8	59	11384015