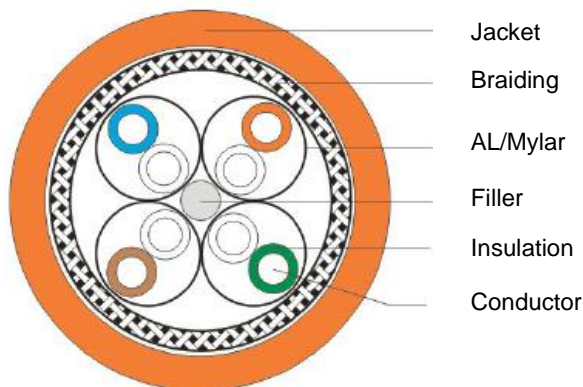


Data Cable 2050 CAT 8.1 S/FTP, 4Pairs Cable, LSZH Sheath 4 x 2 X 23AWG



Applications

Cat 8.1 4P AWG23 bar copper data cable manufactured for Data Center applications. Cat 8.1 SFTP AWG23 cable support up to 2000 MHz frequency 40G Ethernet technology. In permanent link 40G Cat 8.1 cable transmission can be achieved for up to 24 meters according to standard and 25G can be achieved for up to 50 meters.

General Construction

Cat.8.1 data cable compliant with the standards ISO/IEC 11801, IEC 61156-5, IEC 61156-7, EN 50173-1, EN 50173-1 and EN 50288-9-1. Very strong shielding, individually screened pairs and overall braid screening. Compatible with all current connecting hardware in accordance with EN 50173 and ISO/IEC 11801.

Outer Jacket material	FR-LSZH (Complies RoHS).
Cable diameter	7.8mm ±0.4
Conductor material	SOLID-Bare Copper
Conductor size	23 AWG (0.596mm ±0.005)
Insulation material	Skin-foam-skin PE
Insulation OD	1.45mm ± 0.05
Color code	Blue-white, orange-white, Green-white, brown-white
Inner Screening Material	Al/Mylar
Outer Screening Material (Braid)	Tinned Copper
Braid Cover %	78%
Total Number Conductors	8

Sheath Printing

PAMIX 2050 CAT8.1 S/FTP 4P AWG23 FRNC/LSZH <Product No.> <meter numbering>m <Patch No.>.

Electrical Characteristics at 20°C

Propagation Velocity 78%

DC Resistance 58 Ω/km @ 20C°

DC Conductor Resistance Unbalance ≤ %2.0

Capacitance Unbalance (pair to ground) ≤ 99 pF/30m at 1 KHz

Standards

Generic cabling and cabling components standards - Category 7A cable requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 61156-5:2012 (Ed. 2.1)
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-9-1:2012
- PoE IEEE 802.3at

Standards for flammability, halogen acidity, and smoke performance

- IEC 60332-1-1:2015 (Ed. 1.1) / IEC 60332-1-2:2015 (Ed. 1.1)
- IEC 60754-2:2011 (Ed. 2.0)
- IEC 61034-1:2013 (Ed. 3.1) / IEC 61034-2:2013 (Ed. 3.1)

Ordering Information

Cable Description.	Sheath Color	Article No.
- Data Cable 2050 Cat 8.1 S/FTP FRNC/LS0H 4P	Blue	1001301
- Data Cable 2050 Cat 8.1 S/FTP FRNC/LS0H 4P	Red	1001302
- Data Cable 2050 Cat 8.1 S/FTP FRNC/LS0H 4P	Grey	1001303
- Data Cable 2050 Cat 8.1 S/FTP FRNC/LS0H 4P	Green	1001304
- Data Cable 2050 Cat 8.1 S/FTP FRNC/LS0H 4P	Yellow	1001305
- Data Cable 2050 Cat 8.1 S/FTP FRNC/LS0H 4P	Orange	1001306