















1. Conductor: solid bare copper AWG23

2. Insulation: PE Skin Foam Skin

3. Individual shield: Aluminum/Polyester foil - coverage 110%

4. Drain wire: Solid tinned copper5. General shield: Tinned copper braid6. Outer sheath: LSZH - RAL 6027

## **DESCRIPTIONS**

Thanks to an individually aluminum shielded pairs and a general braid, associated to special assignment of the lays of the cables we achieve a bandwidth of 2000MHz and a 40Gbps rate. By consequence, the SF2000, CAT8.1 cable is a perfect solution for Data Center with an excellent price/quality ratio.

This cable is 100% tested with a network analyser using balun-less technology that permits to offer a warranted performances (cable delivered with test report)

The double shielding offer to the SF2000 cable a very high EMC, perfect solution in an environment with high interferences such as data center where the number of high frequency transmissions is high.

#### **APPLICATIONS**

Ethernet IEEE 802.3an 10GBaseT on 90m	TOKEN RING 4/16 MBITS
Ethernet IEEE 802.3bq 40GBaseT on 30m	ATM 155, 622Mbits/s & 1.2Gbits
IEEE 802.3 af & an : PoE & PoE+ and future IEEE 80	02.3 bt (4pPoE)

## **STANDARDS**

CABLE	IEC 61156-9 CAT8.1
SYSTEM	ISO 11801 Ed3 Class I
	TIA 568-C.2-1 CAT8







# **ELECTRICAL PROPERTIES**

Max linear electrical resistance	135 Ω/Km
Mutual capacity (nom)	44 pF/m
Characteristic impedance	100 +/- 15Ω
Nominal Velocity Propagation	75%

# **ENVIRONMENTAL PROPERTIES**

CPR Level	Dca - s2,d2,a2	
Fire behaviour	IEC 60332-1	
Operating Temperature	-20°C / +70°C	
Minimum bending radius	8 x cable diameter	
Compliant to RoHS		

# **ORDERING INFORMATION**

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
SF20004SH5	CAT8 CABLE S/FTP 4 PAIRS LSZH	8.1 mm	DRUM 500M