



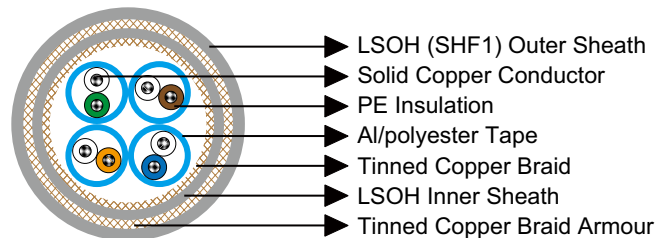
Armoured Cat 6 S/FTP 23AWG

Application

These Cat6 S/FTP cables are manufactured in accordance with IEC 61156-5 requirements, can support all Class E applications like Ethernet, Fast Ethernet, Gigabit Ethernet, suitable for basic voice and data installations up to 250MHz.

Standards

- EN 50288
- ISO 11801
- IEC 61156-5
- IEC 60332-1
- IEC 60754-1/2
- IEC 61034



Approvals:

BV Certification(33493/B0 BV)

Construction

- Conductors: Solid bare copper conductor.
- Insulation: PE.
- Twinning: Two coloured insulated conductors twisted together to form a pair.
- Individual Screen: Al/polyester tape.
- Overall Screen: Tinned copper braid.
- Inner Sheath: LSOH.
- Armour: Tinned copper braid.
- Outer Sheath: LSOH (SHF1).

Core Identification

- Pair 1: White,Blue
- Pair 2: White,Orange
- Pair 3: White,Green
- Pair 4: White,Brown



Electrical Properties

Maximum DC Loop Resistance	Ω/km	165
Maximum Resistance Unbalance		2%
Minimum Insulation Resistance	MΩ.km	1000
Nominal Capacitance @800Hz	nF/km	43
Maximum Capacitance Unbalance (pair to ground)	pF/km	1500
Characteristic Impedance @1-100MHz	Ω	100 ± 15
Nominal Velocity of Propagation		79%
Maximum Propagation Delay	ns/100 m	427
Maximum Delay Skew	ns/100 m	12
Maximum Transfer Impedance @1MHz	mΩ /m	5
Maximum Transfer Impedance @10MHz	mΩ /m	10
Maximum Transfer Impedance @30MHz	mΩ /m	30
Maximum Transfer Impedance @100MHz	mΩ /m	100

Nominal Transmission Characteristics @20°C

F MHz	Attenuation dB/100m	NEXT dB	PS-NEXT dB	ACR dB/100m	PS-ACR dB/100m	ELFEXT dB/100m	PS-ELFEXT dB/100m	Return Loss dB
1	2.0	90	87	88	85	85	82	
4	3.6	90	87	86	83	85	82	27
10	5.7	90	87	84	81	79	76	30
16	7.2	90	87	83	80	75	72	30
20	8.1	90	87	82	79	73	70	30
31.25	10.2	90	87	80	77	69	66	30
62.50	14.7	90	87	75	72	63	60	30
100	18.9	90	87	71	68	59	56	30
155	24.0	88	85	64	61	55	52	26
200	27.0	88	85	61	58	53	50	25
250	31.4	86	83	55	52	51	48	25
300	34.8	86	83	51	48	49	46	23
400	38.1	86	83	48	45	44	41	23

Mechanical and Thermal Properties

Bending Radius: 8 × OD (during installation); 4 × OD (fixed installed)

Temperature Range: -20°C ~ +60°C

Dimensions and Weight

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm		Nominal Overall Diameter mm	Nominal Weight kg/km
			Inner	Outer		
MLN-S/FTPCAT64P23 CWB	4×2×23AWG	0.578	0.60	1.09	10.78	188

