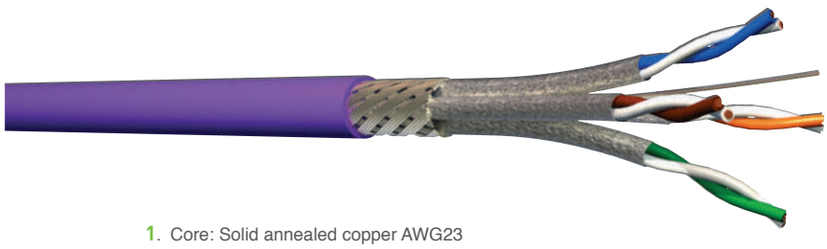
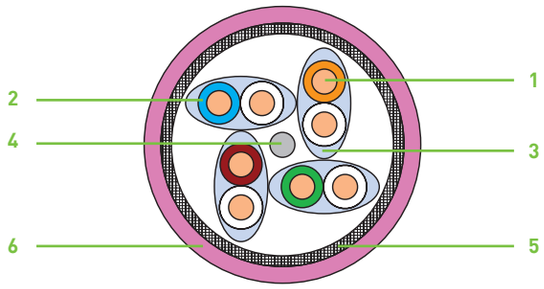
CATEGORY 7 CABLES - S/FTP - 600 Mhz





6004SH

1. Core: Solid annealed copper AWG23
2. Insulation: Skin Foam Skin PE
3. Shielding 1: Individual Al/Pet foil –Coverage 110%
4. Drain wire: Solid tinned copper AWG24
5. Shielding 2: Tinned copper braid –Coverage Min.50%
6. Jacket: LSZH –Violet RAL 4001

FEATURES AND BENEFITS

- Exceed CAT7 standard requirements . Enable your cabling infrastructure to be ready for future upgrading of communications standards
- Excellent protection against electro-magnetic interferences thanks to double shielding
- Perfectly adapted to VOIP and POE applications, including the future 802.3 at standard

NETWORK APPLICATIONS

- ISDN - VoIP
- TOKEN RING 4/16 Mbits - 100 VG-AnyLAN
- TP-PMD/TP-DDI - ATM 155, 622,1200 Mbits
- ETHERNET: 10 Base T, 100 Base Tx, 100 Base T4, 1000 Base T, 10 G Base T
- IEEE 802.3af – PoE (Power Over Ethernet)
- Future 802.3at – PoEP (Power over Ethernet Plus)

CABLING STANDARDS

- CABLE: - IEC 61156-5
  - EN 50288-4-1
- SYSTEM: - ISO 11801 Edition 2.0 – CLASS F
  - EN 50173 Edition 2.0 – CLASS F

TECHNICAL CHARACTERISTICS

- Linear resistance (max.): 140 Ω / Km
- Characteristic impedance: (from 1 to 100 MHz) 100 +/- 15 Ω
  (from 100 to 250 MHz) 100 +/- 20 Ω
  (from 250 to 600 MHz) 100 +/- 25 Ω
- Mutual capacity (nom.): 45 pF / m
- Coupling attenuation (nom.): 80 dB
- Nominal velocity propagation: 80 %
- Operating temperature: - 20° C / + 70°C
- Bending radius (min.): 8 x Cable diameter

F (MHz)	INSERTION LOSS (dB/100 m)		NEXT (dB/100 m)		ACR-N (dB/100 m)		PSNEXT (dB/100 m)		ACR-F (dB/100 m)		PSACR-F (dB/100 m)		RETURN LOSS (dB/100 m)	
	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C
1	2.0	1.8	80.0	100	78.0	98	77.0	97	80.0	105	77.0	102	20.0	27
10	5.7	5.4	80.0	100	74.3	94	77.0	97	74.0	97	71.0	94	25.0	30
16	7.2	6.8	80.0	100	72.8	93	77.0	97	69.9	93	66.9	90	25.0	30
20	8.1	7.7	80.0	98	71.9	90	77.0	95	68.0	91	65.0	88	25.0	30
31.25	10.1	9.6	80.0	98	69.9	88	77.0	95	64.1	87	61.1	84	25.0	30
62.5	14.5	13.7	75.1	98	60.6	84	72.5	95	58.1	81	55.1	78	23.0	30
100	18.5	17.4	72.4	98	53.9	80	69.4	95	54.0	77	51.0	74	20.0	30
200	28.0	25.0	68.0	92	40.0	67	65.0	89	49.0	71	46.0	68	16.0	25
300	33.3	30.9	65.3	89	32.0	58	62.3	86	44.5	67	41.5	64	15.0	24
600	48.9	44.8	60.8	85	11.9	40	57.8	85	38.4	61	35.4	58	15.0	22

ORDERING INFORMATION

Part Number	Pairs	Core Section	Shielding	Jacket	Outer Diameter	Weight	Packaging
6004SH	4	AWG 23	S/FTP	LSZH	7.6 mm	65 Kg/Km	500M - 1000M
6008SH	2 x 4	AWG 23	S/FTP	LSZH	7.7 x 16 mm	130 Kg/Km	500M - 1000M