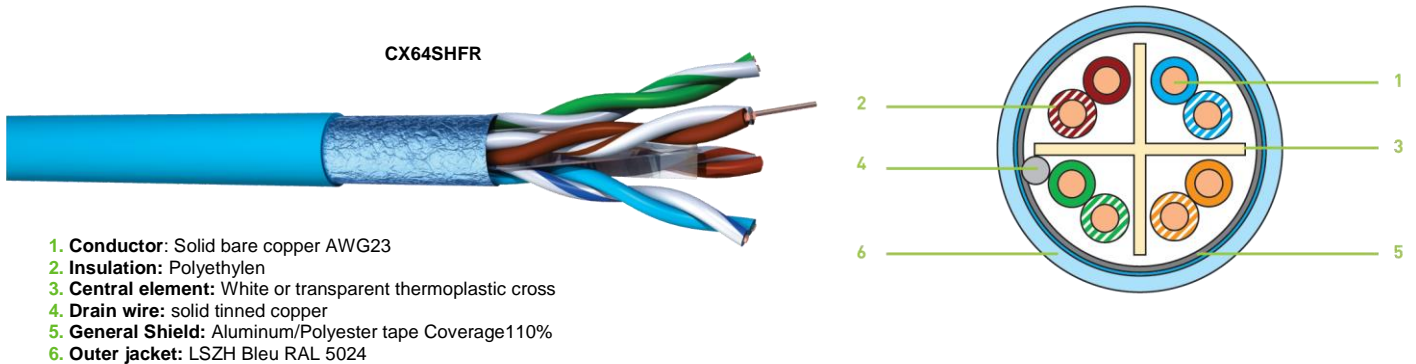


REF : CX6xSHFR

100 Ω F/UTP x pairs category 6 cable – 350 MHz – LSZH - Fire retardant



Application

F/UTP (Foiled twisted pairs) cable, which is used in a horizontal or vertical configuration (Backbone), it constitutes the base of a V.D.I. (Voice-Data-Image) high bit rate network.

The general shield makes it compatible with disturbed environment and operating up to 350MHz.

The design and production process quality ensures it important margins with the current standards.

This cable is used for transmission of digital and analogue voice, Data and video signals. It can transmit :

- ISDN - RNIS
- TOKEN RING 4/16 Mbits
- 100 VG-AnyLAN
- TP-PMD/TP-DDI
- ATM 155, 622 Mbits/s et 1,2Gbits
- ETHERNET 10 Base T
- ETHERNET 100 Base Tx, 100 Base T4
- ETHERNET 1000 Base T – GIGABIT Ethernet
- IEEE 802.3 af – PoE (Power Over Ethernet) et future PoE+

Standards

CABLE	IEC 61156-5
SYSTEM	ISO 11801 Edition 2 – CLASS E

REF : CX6xSHFR

100 Ω F/UTP x pairs category 6 cable – 350 MHz – LSZH - Fire retardant

Electrical properties @20°C

Linear electrical resistance ≤ 95 Ω / Km

Mutual capacity (nom.) : 52 pF / m

Characteristic impedance: 100 Ω

Velocity of propagation: 69 %

Physical characteristics

Fire behaviour : IEC 60332-3-24

LSZH outer sheath compound characteristics:

- Halogen rate and corrosiveness of combustion gas according to IEC 60754-1 and IEC60754-2 (SA)

- Smoke Density (SD) according to IEC 61034-1 and 61034-2

Operating temperature: - 20° C / + 70°C

Minimum bending radius: 8 x cable outer diameter

Compliance with RoHS directive

Transmission performances @20°C

MESURES (MHZ)	ATTENUATION (dB/100m)		NEXT (dB)		PS NEXT (dB)		ELFLEX (dB/100m)		PSELFLEX (dB/100m)		RETURN LOSS (dB)	
	(*)Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value
4	3.8	3.5	66.3	69	63.3	67	55.8	67	52.8	64	23.0	25
10	6.0	5.5	60.3	63	57.3	62	47.8	60	44.8	57	25.0	28
16	7.6	6.9	57.2	60	54.2	58	43.7	66	40.7	63	25.0	28
31.25	10.7	9.8	52.9	55	49.9	53	37.9	51	34.9	48	23.6	27
62.5	15.5	13.9	48.4	51	45.4	49	31.9	43	29.1	40	21.5	25
100	19.9	17.5	45.3	48	42.3	47	27.8	40	24.8	37	20.1	25
200	29.1	25.3	40.8	44	37.8	52	21.8	34	18.8	31	18.0	24
250	33.0	28.3	39.3	42	36.3	41	19.8	27	16.8	24	17.3	23
300	(**)NA	36.2	NA	38	NA	38	16.9	22	NA	19	NA	21

(*) Standard: Values from IEC 61156 -5; (**)NA: not applicable

Ordering information

Item No	CX64SHFR	CX68SHFR
Pairs number	4	2x4
AWG	23	23
Diameter (mm)	7.0	7.0x14.5
Weight (Kg/Km)	46	102
Conditioning	305m box Drums : 500m & 1000m	Drums : 500m & 1000m
Marking text	MULTIMEDIA CONNECT 'batch code'CX6-4SHFR - 4 PAIRS AWG 23 F/UTP 100 OHMS - ISO11801 / TIA-EIA 568-B.2-1 CAT6 - 350Mhz - LSZH - IEC 60332-3-24 - F2 - metric marking	MULTIMEDIA CONNECT 'batch code' CX6-8SHFR – 2x4 PAIRS AWG 23 F/UTP 100 OHMS - ISO11801 / TIA-EIA 568-B.2-1 CAT6 - 350Mhz - LSZH - IEC 60332-3-24 - F2 - metric marking