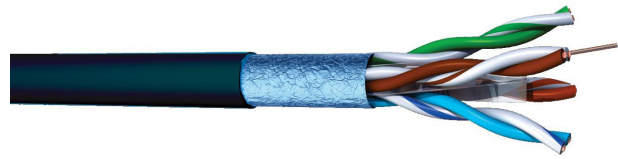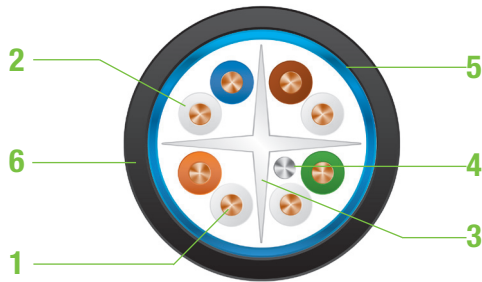# CX64PE
100Ω F/UTP CAT6 4 pairs pairs cable 350MHz PE sheath

6 350MHz   **F**

1. **Conductor** : solid bare copper AWG23
2. **Insulation** : PE HD
3. **Central member** : White or transparent thermoplastic cross
4. **Drain wire** : Solid tinned copper
5. **General shield** : Aluminum/Polyester tape - coverage 110%
6. **Outer sheath** : PE - Black color

DESCRIPTIONS

F/UTP cable 4 pairs, CX64SHPE can be used in horizontal outside link. It can support all the external IP application thanks to his PE jacket. The general shield makes it compatible with disturbed environment and operating up to 350MHz.

Performances of the CX64PE exceed the current standards, use with Multimedia Connect connectivity it will ensure conformity with Class E / CAT6 channel.

APPLICATIONS

Ethernet Base T up to 1Gbits/s	TOKEN RING 4/16 MBITS
ISDN	ATM 155, 622Mbits/s & 1.2Gbits
IEEE 802.3 af /at : PoE and PoE+	

STANDARDS

CABLE	IEC 61156-5 CAT6
SYSTEME	ISO / IEC 11801 Ed2.2 Class E

ELECTRICAL PROPERTIES

Max linear electrical resistance	95 Ω/Km
Mutual capacity (nom)	52 pF/m
Characteristic impedance	100 +/- 15Ω
Nominal Velocity Propagation	69%

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ENVIRONMENTAL PROPERTIES

CPR Level	Fca
Operating Temperature	-20°C / +70°C
Minimum bending radius	8 x cable diameter
Compliant to RoHS	

TRANSMISSION PERFORMANCES @20°C

Freq (Mhz)	Attenuation		NEXT (dB)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F		RL (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	66	55.8	67	52.8	64	23.0	25
10	6.0	5.5	60.3	63	57.3	60	47.8	60	44.8	57	25.0	28
16	7.6	6.9	57.2	60	54.2	57	43.7	66	40.7	63	25.0	28
31.25	10.7	9.8	52.9	55	49.9	52	37.9	51	34.9	48	23.6	27
62.5	15.5	13.9	48.4	51	45.4	48	31.9	43	29.1	40	21.5	25
100	19.9	17.5	45.3	48	42.3	45	27.8	40	24.8	37	20.1	25
200	29.1	25.3	40.8	44	37.8	41	21.8	34	18.8	31	18.0	24
250	33.0	28.3	39.3	42	36.3	39	19.8	27	16.8	24	17.3	23
300	NA	36.2	NA	38	NA	38	NA	22	NA	19	NA	21

(*) standard : values from IEC 61156-5

ORDERING INFORMATION

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
CX64PE	CAT6 CABLE F/UTP 4 PAIRS PE	7 mm	DRUM 1000M

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