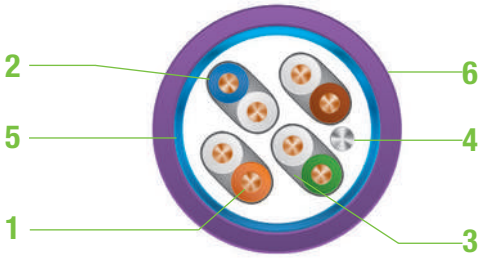
F555xSHCy

CAT6A F/FTP 4 or 2x4 pairs cable 555MHz LSZH sheath Cca





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 copper
5. **General shield** : Aluminum/Polyester tape - coverage 110%
6. **Outer sheath** : LSZH - RAL 4001

DESCRIPTIONS

PIMF (Pair In Metallic foil) data cable used in full shielded structured cabling system, for horizontal or vertical (Backbone) configuration. Its performances exceed the limits required by current standards thanks to its excellent high-speed and error free transmission up to 555 Mhz. It constitutes an investment for the future network applications.
High electromagnetic immunity thanks to double shield (coupling attenuation > 75 dB).

APPLICATIONS

Ethernet Base T up to 10Gbits/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 CAT6a
SYSTEME	ISO / IEC 11801 Ed2.2 Class Ea

ELECTRICAL PROPERTIES

Max linear electrical resistance	95 Ω/Km
Mutual capacity (nom)	45 pF/m
Characteristic impedance	100 +/- 15Ω
Nominal Velocity Propagation	79%

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member of the TKH Group

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ENVIRONMENTAL PROPERTIES

CPR Level	Cca s1 d1 a1
Fire behaviour	IEC 60332-1
Operating Temperature	-20°C / +70°C
Minimum bending radius	8 x cable diameter
Compliant to RoHS	

TRANSMISSION PERFORMANCES @20°C

(*) standard : values from IEC 61156-5

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	3.7	66.3	67	63.3	64	55.9	66	52.9	63	23.0	25
10	5.9	5.8	60.3	62	57.3	59	48	63	45	60	25.0	27
16	7.5	7.3	57.2	59	54.2	56	43.9	62	40.9	59	25.0	27
25	9.4	9.2	54.3	56	51.3	53	40	57	37	54	24.3	27
31.25	10.5	10	52.9	55	49.9	52	37.9	52	35.1	49	23.6	25
100	19.1	18.8	45.3	47	42.3	44	28	44	25	41	20.1	22
200	27.6	26.8	40.8	43	37.8	40	22	35	19	32	18.0	20
250	31.1	30.2	39.3	42	36.3	39	20	29	17	26	17.3	19
300	34.3	33.2	38.1	40	35.1	37	18.4	27	15.4	24	17.3	18
400	40.0	38.7	36.3	38	33.3	35	16	26	13	23	17.3	17.8
500	45.3	44.2	34.8	37	31.8	34	14	26	11	23	17.3	17.5
525	NA	45.0	NA	36	NA	33	NA	22	NA	19	NA	17
555	NA	45.5	NA	34	NA	31	NA	21	NA	18	NA	16.2

ORDERING INFORMATION

CABLE 4 PAIRS

P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
F5554SHC5	CAT6A CABLE F/FTP 4 PAIRS LSZH Cca	7.4 mm	DRUM 500M
F5554SHC10	CAT6A CABLE F/FTP 4 PAIRS LSZH Cca		DRUM 1000M
F5554SHCB	CAT6A CABLE F/FTP 4 PAIRS LSZH Cca		BOX 305M

CABLE 2x4 PAIRS

P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
F5558SHC5	CAT6A CABLE F/FTP 2x4 PAIRS LSZH Cca	7.4 x **14.8** mm	DRUM 500M
F5558SHC10	CAT6A CABLE F/FTP 2x4 PAIRS LSZH Cca		DRUM 1000M

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