

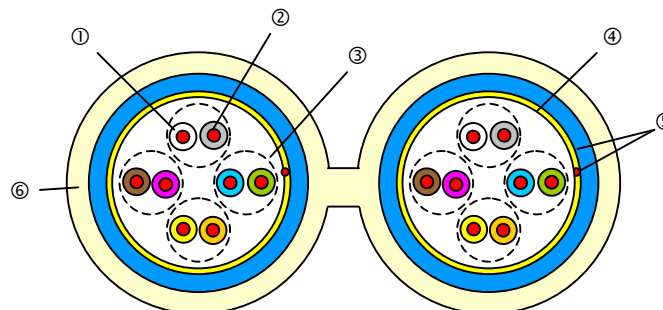
ACOLAN[®] - Copper

Horizontal Cable FTP CTD20 - 120 Ohms - Category 5e - 2x4P - 22AWG



Description :

- ① Diameter of conductor : 22AWG
- ② Insulation : Pe Ø 1,38 mm
- ③ Cable assembly : pair
Number of pairs : 8 (2x4)
- ④ Synthetic water-repellent tape
- ⑤ Shield : alu/polyester tape and continuity wire
- ⑥ Sheath material : LSOH



Marking on outer jacket :

ACOME CTD20 LSOH 120 OHMS Batch number 8 22AWG FTP
Cat.5e NF C 32-070 2.2 75C Length marking

Electrical characteristics at 20°C :

Conductor resistance at 20°C (max.)	62,6 Ω/km
Dielectric strength at 50Hz	1 kV/1min
Insulation resistance (min.)	5000 MΩ.km
Capacitance unbalance (real to real) (max)	800 pF/500m
Transfer impedance (Zt) from 1 to 10 MHz	100 mΩ/m
Propagation velocity (nom.)	78%
Characteristic impedance (Zc) from 1 to 100 MHz	120 Ω

Environmental characteristics :

Transport and storage temperature	0 + 50°C
Operating temperature	-20 + 60°C
Fire resistance	IEC 332-1, NFC 32070 2.1 (Category C2) IEC 332-3C NFC 32070 2.2 (Category C1)

Mechanical characteristics at 20°C :

ACOME Ref.	Number of pairs	Type of jacket	Color of jacket	Conductor Ø (mm)	Insulation Ø (mm)	Cable Ø (mm) nominal	Weight of cable (kg/km)	Min. laying Bending radius (mm)	Max. pulling tension (N)
L5989	2x4P	LSOH	IVOIRE	0,6	1,38	7,8x16,2	130	60-120	260

Delivery length :

1000 m on drum AC
500 m on drum XL

Frequency [MHz]		1	4	10	16	20	31,25	62,5	100	155**	200**
Max attenuat. [dB/100 m]	Typical value	1,5	2,8	4,3	5,4	6,0	7,5	10,6	13,5	17,5	19,5
	Cat. 5e* (max.)	1,8	3,3	5,2	6,4	7,2	9,0	13,0	16,7	-	-
Min. Next [dB]	Typical value	68	59	53	50	48	46	41	38	35	33
	Cat. 5e* (min.)	66	57	51	48	46	44	39	36	-	-
Min. ACR [dB]	Typical value	66,5	56,2	48,7	44,6	42	38,5	30,4	24,5	17,5	13,5
	Cat. 5e* (min.)	64,2	53,7	45,8	41,6	38,8	35	26	19,3	-	-
PS Next [dB]	Typical value	65	56	50	47	45	43	38	35	32	30
	Cat. 5e* (min.)	63	54	48	45	43	41	36	33	-	-
ELFEXT [dB]	Typical value	75	63	55	51	48	45	39	35	31	29
	Cat. 5e* (min.)	64	52	44	40	38	34	28	24	-	-
PS ELFEXT [dB/100 m]	Typical value	72	60	52	48	45	42	36	32	28	26
	Cat. 5e* (min.)	61	49	41	37	35	31	25	21	-	-
Return Loss [dB]	Typical value	25	25	25	25	25	25	23,8	23	21	20
	Cat. 5e* (min.)	20	23	25	25	25	23,6	21,5	20,1	-	-

Applications	Cables standards	Cabling system standards	Cabling system installation standards
IEEE 802.3 IEEE 802.5 FDDI ATM RNIS	IEC 61156-2	IS 11801 ed.2 EN 50173	EN 50174

* Category 5e acc. to IS 11801
** For information only