

INDOOR TELEPHONE CABLES UNSHIELDED CATEGORY-3

Application : Used for voice, data and local area network application up to 16 MHz.

Sepecifation : UL-444, EIA/TIA 568 B

Construction :

- Conductor : Solid Annealed Bare Copper Conductor.
- Insulation : Extruded Solid polyethylene.
- Assembly : Pairs twisted with staggered lay technique. Color coding is according to ANSI/ICEA S-80-576. Twisted pairs are bundled into units of 25 pairs (subunits comprise 12/13 pairs) and cabled and covered with a polyester tape binder.
- Screen :
- Jacket : Grey Coloured flame retardant PVC.
- Printing legend : TYPE CM CAT3 UTP xx PR xx AWG MESC YEAR

S1 No.	Technical Parameter			Unit	Requirement	
1	Conductor Resistance			Ohm/100m at 20°C	93.8(24AWG) 57.1(22AWG)	(Max) (Max)
2	Resistance unbalance			%	5	(Max)
3	Mutual Capacitance(@1kHz)			pF/m	66.0	(Max)
4	Characteristic Impedance(Up to MHz)			Ohm	100+/-15	(Nom)
5	Attenuation			dB/100m		
a)	At frequency of	1	MHz		2.6	(Max)
b)	At frequency of	4	MHz		5.6	(Max)
c)	At frequency of	8	MHz		8.5	(Max)
d)	At frequency of	10	MHz		9.7	(Max)
e)	At frequency of	16	MHz		13.1	(Max)
6	Near end Cross Talk			dB/305m		
a)	At frequency of	1	MHz		41	(Min)
b)	At frequency of	4	MHz		32	(Min)
c)	At frequency of	8	MHz		27	(Min)
d)	At frequency of	10	MHz		26	(Min)
e)	At frequency of	16	MHz		23	(Min)

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Size AWG	MESC Code	Pairs Nos.	Strands x Dia. No. x mm	Nominal Jacket Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km
24	M762-02P24AWG-U0GY8-00	2	1X0.5	0.33	4.3	20
24	M762-03P24AWG-U0GY8-00	3	1X0.5	0.58	4.9	30
24	M762-06P24AWG-U0GY8-00	6	1X0.5	0.58	6.2	50
24	M762-12P24AWG-U0GY8-00	12	1X0.5	0.58	8.1	90
24	M762-18P24AWG-U0GY8-00	18	1X0.5	0.58	9.5	125
24	M762-25P24AWG-U0GY8-00	25	1X0.5	0.69	11.0	165
24	M762-50P24AWG-U0GY8-00	50	1X0.5	0.81	15.1	315
24	M762-75P24AWG-U0GY8-00	75	1X0.5	0.81	18.0	445
24	M762-100P24AWG-U0GY8-00	100	1X0.5	1.14	21.1	615
24	M762-150P24AWG-U0GY8-00	150	1X0.5	1.14	25.2	875
24	M762-200P24AWG-U0GY8-00	200	1X0.5	1.14	28.7	1135
22	M762-02P22AWG-U0GY8-00	2	1X0.64	0.58	5.3	35
22	M762-03P22AWG-U0GY8-00	3	1X0.64	0.58	5.5	40
22	M762-06P22AWG-U0GY8-00	6	1X0.64	0.58	7.0	70
22	M762-12P22AWG-U0GY8-00	12	1X0.64	0.58	9.1	125
22	M762-18P22AWG-U0GY8-00	18	1X0.64	0.69	11.1	185
22	M762-25P22AWG-U0GY8-00	25	1X0.64	0.81	12.7	250
22	M762-50P22AWG-U0GY8-00	50	1X0.64	0.81	17.1	460
22	M762-75P22AWG-U0GY8-00	75	1X0.64	1.14	21.2	700
22	M762-100P22AWG-U0GY8-00	100	1X0.64	1.14	24.0	905
22	M762-150P22AWG-U0GY8-00	150	1X0.64	1.14	28.7	1310
22	M762-200P22AWG-U0GY8-00	200	1X0.64	1.14	32.7	1710

COLOUR CODE

Pairs	a WIRE		b WIRE	
	Color of Insulation	Color of the Band	Color of Insulation	Color of the Band
1	White	Blue	Blue	White
2	White	Orange	Orange	White
3	White	Green	Green	White
4	White	Brown	Brown	White
5	White	Grey	Grey	White
6	Red	Blue	Blue	Red
7	Red	Orange	Orange	Red
8	Red	Green	Green	Red
9	Red	Brown	Brown	Red
10	Red	Grey	Grey	Red
11	Black	Blue	Blue	Black
12	Black	Orange	Orange	Black
13	Black	Green	Green	Black
14	Black	Brown	Brown	Black
15	Black	Grey	Grey	Black
16	Yellow	Blue	Blue	Yellow
17	Yellow	Orange	Orange	Yellow
18	Yellow	Green	Green	Yellow
19	Yellow	Brown	Brown	Yellow
20	Yellow	Grey	Grey	Yellow
21	Violet	Blue	Blue	Violet
22	Violet	Orange	Orange	Violet
23	Violet	Green	Green	Violet
24	Violet	Brown	Brown	Violet
25	Violet	Grey	Grey	Violet