

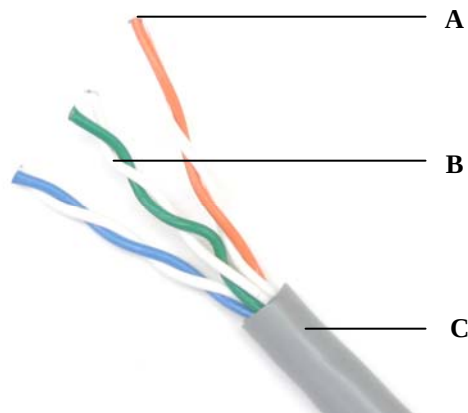
These specifications cover communication cables having soft annealed copper conductor semirigid flame retardant PVC insulation and very high flame retardant PVC jacket.

APPLICATIONS

Communication cables for riser use. 60°C, 300 V

Construction elements

- A. Bare Copper Conductor
- B. FR PVC Insulation
- C. FR PVC Jacket



Typical electrical parameters

(24 AWG, Solid Conductor, twisted pairs)

(NEC ARTICLE 800 EIA/TIA 568)

2 – 6 Pair (Table 1)

Mutual Capacitance: 20 pF/ft 65 pF/m	
Char Impedance: 100+/-15Ω	
Attenuation:	Pair – Pair Next:
7.8 dB/1000 ft, 2.6 dB/100m @ 1 MHz	41 dB/1000m @ 1 MHz
17.0 dB/1000 ft, 5.6 dB/100m @ 4 MHz	32 dB/1000m @ 4 MHz
30.0 dB/1000 ft, 9.9 dB/100m @ 10 MHz	26 dB/1000m @ 10MHz
40.0 dB/1000 ft, 13.2 dB/100m @ 16 MHz	23 dB/1000m @ 16 MHz

8 pair & Up (Table 2)

Mutual Capacitance: 22 pF/ft 72 pF/m	
Char Impedance: 100+/-20Ω	
Attenuation:	Pair – Pair Next:
8.3 dB/1000 ft, 2.7 dB/100m @ 1 MHz	31.0 dB/1000 ft, 10.1 dB/100m @ 10 MHz
18.0 dB/1000 ft, 5.9 dB/100m @ 4 MHz	41.0 dB/1000 ft, 13.4 dB/100m @ 16 MHz

CABLE DATA (Table 1)

Size	N° of Pairs	Insulation Thickness		Jacket Thickness		Outside Diameter		Weight	
		Inches	mm	Inches	mm	Inches	mm	Ibs./Kft.	Kg/km
2X2X24	2	0.006	0.15	0.015	0.38	0.12	3.00	3.00	13.40
3X2X24	3	0.006	0.15	0.015	0.38	0.15	3.80	3.80	18.80
4X2X24	4	0.006	0.15	0.015	0.38	0.19	4.80	4.80	24.10
6X2X24	6	0.006	0.15	0.015	0.38	0.23	5.80	5.80	33.80

CABLE DATA (Table 2)

Size	N° of Pairs	Insulation Thickness		Jacket Thickness		Outside Diameter		Weight	
		Inches	mm	Inches	mm	Inches	mm	Ibs./Kft.	Kg/km
8X2X24	2	0.006	0.15	0.015	0.38	0.24	6.10	28.3	42.1
12X2X24	12	0.006	0.15	0.015	0.38	0.25	6.40	40.1	59.7
16X2X24	16	0.006	0.15	0.015	0.38	0.28	7.10	53.8	80.1
21X2X24	21	0.006	0.15	0.020	0.51	0.30	7.60	67.20	100.0
25X2X24	25	0.006	0.15	0.020	0.51	0.34	8.60	83.70	124.6
50X2X24	50	0.006	0.15	0.020	0.51	0.47	11.90	159.5	237.4
75X2X24	75	0.006	0.15	0.020	0.51	0.56	14.20	236.6	352.1
100X2X24	100	0.006	0.15	0.020	0.51	0.64	16.30	331.2	492.9
125X2X24	125	0.006	0.15	0.035	0.84	0.74	18.8	398.7	593.3
150X2X24	150	0.006	0.15	0.035	0.84	0.82	20.8	475.1	707.0
200X2X24	200	0.006	0.15	0.035	0.84	0.97	24.6	661.0	983.7
300X2X24	300	0.006	0.15	0.035	0.84	1.07	27.2	970.0	1443.5
400X2X24	400	0.006	0.15	0.050	1.27	1.30	33.0	1340.0	1994.2
600X2X24	600	0.006	0.15	0.050	1.27	1.50	38.1	1968.0	2928.7

Standard PUT-UPS: 500R/1000R

Jacket Color: White, Beige or Grey

R: Reels

The data listed above is approximate and subject to normal manufacturing tolerances. Specifications are subject to change without notice.

HC600 / 01 / FEB-06