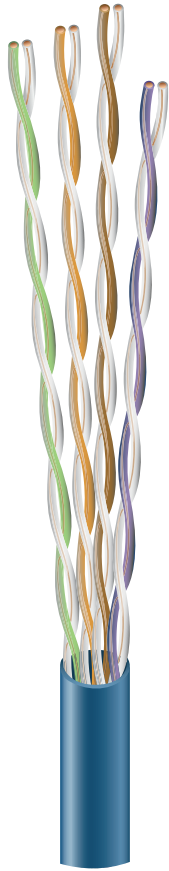


# COMMUNICATION CIRCUITS

## ENHANCED CATEGORY 5e

### RISER RATED - CMR



#### APPLICATIONS Suitable for use as follows:

- 1000 base-T (Gigabit Ethernet); 100 base-T (Fast Ethernet); 10 base-T (IEEE 802.3); 4/16 Mbps token ring (IEEE 802.5); 100 VG-Any LAN; 100 Mbps TP-PMD (ANSI X3T9.5); 55/155 Mbps ATM; voice, ISDN, video to desktop, multimedia

#### STANDARDS & REFERENCES

- ETL verified ANSI TIA/EIA-568B.2, UL subject 444, (UL) c(UL) type CMR/CMG, type CM/CMH, ICEA-S-90-661, NEC® article 800 type CMR or CM, ISO/TEC 11801

#### CONSTRUCTION

- 24 AWG solid bare copper, 4 unshielded twisted pairs, FRPE insulation, rip cord, FRPVC jacket, operating temperature 75°C, 300 volts
- **Sample Jacket Marking:**  
E118871 (T) 4PR 24AWG CMR (UL) c(UL) 75C CSA CMG ETL VERIFIED TO ANSI TIA/EIA-568-B.2 CATEGORY 5E 350 MHZ. SEQUENTIAL FOOTAGE MARKING

#### PACKAGE

- Available in 1000 ft. boxes or reels. Reel-in-a-box upon request. Jacket colors other than listed below, consult factory. Color code (Orange & White/Orange, Green & White/Green, Blue & White/Blue, Brown & White/Brown)

Rated 300 Volt

Operating Temperature  
75°C

FRPE Insulation

Rip Cord

FRPVC Jacket





## HVAC

### WEIGHTS, MEASUREMENTS, AND PACKAGING

AWG	NO. OF PAIRS	IMP. (OHMS)	CABLE TYPE	NOMINAL O.D. (inch)	WEIGHT (lbs/1000 ft)
24	4	100 ± 15	UTP	0.200	22

Jacket Color, .X 1 = gray, 3 = blue, 4 = white, 5 = yellow, 7 = red, 9 = green

### ELECTRICAL PERFORMANCE DATA

FREQUENCY (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	PSACR (dB)	ELFEXT (dB)	PS.ELFEXT (dB)	RETURN LOSS (dB)	CHARACTERISTIC IMPEDANCE 1-350 MHz (OHM S)
1	2	74.3	72.3	72.3	70.3	67.8	64.8	20	100 ± 15
4	3.8	65.5	61.5	63.3	59.5	55.7	52.7	23	100 ± 15
8	5.4	60.8	55.4	58.8	53.4	49.7	46.7	24.5	100 ± 15
10	6	59.3	53.3	57.3	51.3	47.8	44.8	25	100 ± 15
16	7.6	56.3	48.7	54.3	46.7	43.7	40.7	25	100 ± 15
20	8.5	54.8	46.3	52.8	44.3	41.7	38.7	25	100 ± 15
25	9.6	53.3	43.7	51.3	41.7	39.8	36.8	24.3	100 ± 15
31.25	10.7	51	41.2	49.9	39.2	37.9	34.9	23.6	100 ± 15
62.5	15.5	47.4	31.9	45.1	29.9	31.8	28.8	21.5	100 ± 15
100	19.9	44.3	24.4	42.3	22.4	27.8	24.8	20.1	100 ± 15
155	25.3	41.5	16.2	39.5	14.2	23.9	20.9	18.8	100 ± 15
200	29.2	39.8	10.6	37.8	8.6	21.7	18.7	18	100 ± 15
240	36	32.6	-	30.6	-	16.2	13.2	17.4	100 ± 15
300	41	31.2	-	29.2	-	14.2	11.2	16.8	100 ± 15
350	44.9	30.1	-	28.1	-	12.9	9.9	16.3	100 ± 15