



# TECHNICAL SPECIFICATIONS

## 26 Gauge STC FTP VDSL Grade Broadband Cables

### Construction:

Conductor: 26 AWG solid tinned copper (.0159")  
 Insulation: Lead-free polyethylene, .030" nominal O.D.  
 Pairing: 12 twists per foot (min.)  
 Color code: Standard Telephony, solid colors  
 Shielding: Aluminum/polyester foil, face in, 25% overlap  
 Drain wire: 24 AWG solid tinned copper  
 Rip cord: Applied under jacket  
 Inner Jacket: Lead-free, flame retardant PVC  
 Outer Jacket: Lead-free, flame retardant PVC

### Compliances:

UL Subject 444/CSA C22.2 No. 214  
 (UL)-C(UL) Type CMR  
 NEC 800 Type CMR  
 2002/95/EC RoHS

### Common Applications:

T1 & T1 Fractional 52 Mbps ATM (ATM Forum)  
 ISDN Basic & Primary Rate 100BASE-T4 (Fast Ethernet)  
 4/16 Mbps Token Ring (IEEE 802.5) 100VG-AnyLAN (IEEE 802.12)  
 10BASE-T (IEEE 802.3) Broadband, including xDSL

### Thermal Characteristics:

Transport and Storage: -20°C to 75°C  
 Installation: 4°C to 50°C  
 Operation: -20°C to 75°C

### Electrical Characteristics:

Conductor DC Resistance @ 20°C (Max): 46.1 Ω/1000 ft (15.12 Ω/100 m)  
 DC Resistance Unbalance (Max): 5%  
 Mutual Capacitance @ 20°C (Max): 20 pF/ft (6.6nF/100 m) @ 1 kHz  
 Capacitance Unbalance Pair to Ground (Max): 800 pF/1000 ft (262 pF/100 m)  
 Operating Voltage (Max): 300 VDC

FREQ MHZ	IMPEDANCE OHMS	INSERTION LOSS dB/100m Max	RETURN LOSS dB Min	PSNEXT dB Min	PSACRF dB Min	PSFEXT dB Typical
1	100 +/- 15	2.7	20.0	62.3	60.8	65.4
4	100 +/- 15	5.3	23.0	53.3	48.8	55.8
8	100 +/- 15	7.6	24.5	48.8	42.7	51.8
10	100 +/- 15	8.4	25.0	47.3	40.8	50.6
16	100 +/- 15	10.6	25.0	44.2	36.7	48.6
20	100 +/- 15	11.6	25.0	42.8	34.8	47.8
25	100 +/- 15	12.8	24.3	41.3	32.8	47.2
31.25	100 +/- 15	13.9	23.6	39.9	30.9	46.3
62.5	100 +/- 15	19.1	21.5	35.4	24.9	45.3
100	100 +/- 15	24.2	20.1	32.3	20.8	45.0

### Ordering Information:

CATALOG NUMBER	# OF PAIRS	DIAMETER		UNIT MAKEUP	WEIGHT	
		INCHES	MM		LBS/KFT	KG/KM
B5ETRF-2526**XX	25	0.41	10.5	2 / 8 / 15	105	156

Dimensions and weights are calculated nominals and do not imply any minimum or maximum tolerance.

NOTES: \*\* = Jacket color - BL = Blue, GY = Gray, WT = White, GN = Green, OR = Orange

Packaging is provided on non-returnable reels. Replace "XX" in the part number for the following footages: 02=1,000', 04=2,000', 05=2,500', 06=3,000', 10=5,000', 12=6,000', 20=10,000'