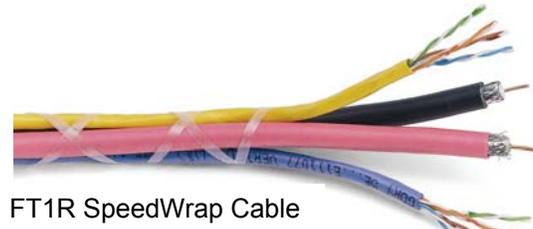


## FT1R / FT1R-J Composite Cable

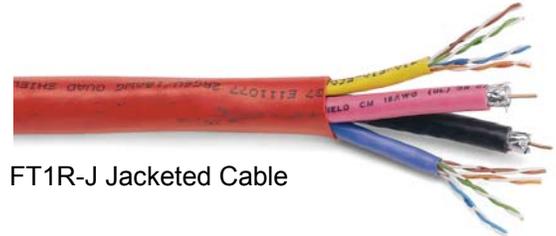
### APPLICATIONS

The FT1R / FT1R-J Composite Cable consists of two (2) RG6 quad shield coax cables and two (2) CAT5e twisted pair cables. Installers can choose between speedwrapped or jacketed cable. The composite cable is used to distribute signals from the distribution panel to the rooms.

The FT1R / FT1R-J composite cable comes on a 500' reel.



FT1R SpeedWrap Cable



FT1R-J Jacketed Cable

### SPECIFICATIONS

#### CAT5e Twisted Pair Cable

Type	Four (4) unshielded 100 OHM extended distance/extended frequency twisted pair data cable		
Usage	Voice, 100 Mbps LAN applications		
Conductor material	24 AWG solid bare copper		
Conductor O.D.	.020 in., nominal		
Insulation material	Polyolefin		
Insulation conductor O.D.	0.036 in., nominal		
Color Code	Pair One	White Blue / Blue	
	Pair Two	White Orange / Orange	
	Pair Three	White Green / Green	
	Pair Four	White Brown / Brown	
Jacket material	Polyvinyl chloride		
Jacket Colors	Blue / Yellow		
Nominal jacket thickness	.018 in.		
Nominal overall O. D.	.200 in.		
Minimum bend radius	2.25 in.		
Temperature rating	-20° C to +60° C		
Standards	ANSI X3T9.5 TP-PMD, ATM PMD 155 Mbps, IEEE802.12, 100Base-VG, IEEE802.3, 10 Base-T, 100 Base-T4, 100 Base-X, IEEE802.5, 4/16 Mbps Token Ring, Digital Video		
Attenuation (per 1000 ft)		Near End Cross Talk (N.E.X.T.) per 1000 ft	
<b>Freq (MHZ)</b>	<b>Loss</b>	<b>Freq (MHZ)</b>	<b>dB</b>
.772	5.5 dB	.772	64
1.0	6.3 dB	1.0	62
4.0	13.0 dB	4.0	53
8.0	18.0 dB	8.0	48
10.0	20.0 db	10.0	47
16.0	25.0 dB	16.0	44
20.0	28.0 dB	20.0	42
25.0	32.0 dB	25.0	41
31.25	36.0 dB	31.25	40
62.5	52.0 dB	62.5	35
100.	67.0 dB	100.	32

**SPECIFICATIONS (CONT.)**

**RG-6 Quad Shield Cable**

Type	RG-6/U quad shield Type 75 ohm, non plenum coaxial cable	
Center Conductor	18 AWG solid bare copper	
Center Conductor O.D.	.040 in, nominal	
Dielectric Material	60° C Cellular Polyethylene	
Dielectric core O.D.	.0180 in., nominal	
Dielectric insulation	5 KV rms	
Foil Shields Coverage	100% coverage, 20% minimum overlap	
Number of Braid shields	2	
Braid shield material	Aluminum	
Number of foil shields	2	
Foil shields material	Aluminum foil tape	
Jacket material	60° C Polyvinylchloride	
Jacket thickness	0.032 in., nominal	
Overall O.D.	0.280 in., nominal	
Characteristic Impedance	75 ± 3 Ω	
Capacitance	17.3 pF/ft, nomial	
Velocity of propagation	78% nominal	
Conductor DC resistance	2.2 ohm / 100 ft	
Usage	Video display, point of sale terminals, local area network controls, TV/CATV and cable modems	
Nominal attenuation per 100 ft		
.4 dB @ 772 KHz	2.7 dB @ 200 MHz	
.7 dB @ 10 MHz	4.7 dB @ 500 MHz	
1.5 dB @ 50 MHz	6.5 dB @ 900 MHz	
2.0 dB @ 100 MHz		