

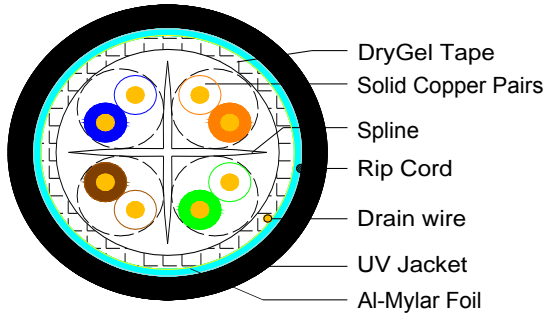


CAT6 FTP/Outdoor/UV Rated/Shielded Gel Tape Cable

Item # DC-2042

12910 Cloverleaf Center Drive Germantown, MD USA Tel: 301-838-4380
www.shireeninc.com

Cross Section



Electrical Characteristics(20°C)

Reference Standard: ANSI/TIA/EIA-568-B.2-1 & IEC/ISO 11801

Test Item	Units	Spec
1.Max.Conductor DC Resistance	/km	≤93.8
2.Unbalance of Pair DC Resistance	%	≤2.5
3.Dielectric Strength between Pairs	kV/min	≤1.0
4.Min.Insulation Resistance	M ·km	≥5000
5.Max.Pair Mutual Capacitance	nF/100m	≤5.6
6.Max.Pair Capacitance Unbalance	pF/100m	≤330
7.Impedance(1 to 250MHz)		100±15
(250 to 550MHz)		100±25

Cable Description

1) Conductor :

Material	Solid Bare Copper
Stranding	Solid
Wire Gage	23AWG
Dia.	0.57±0.02mm

2) Insulation :

Material	HDPE - Polyethylene
Nom. Thickness	0.25mm
Dia.	1.06±0.05mm
Elongation	≥300%
Color Code	White/Blue & Blue
	White/Orange & Orange
	White/Green & Green
	White/Brown & Brown

3) Paired :

Direction	Right Hand Lay
Length of Lay	< 38 mm

4) Cabling :

Order of the Pair	See the Cross Section
Filling	PE Filler
Gel-Tape	Water Blocking Tape

5) Shielding:

Vertical Wrap	Al-Mylar Tape
Coverage %	100%
Drain Wire	0.40
Material	Tinned Copper

6) Outer Sheath :

Material	LDPE
Rip Cord	200D*3
Thickness	0.75±0.05mm
Dia.	8.00±0.30mm

7) Packing:

1000Ft Wooden Spool

8) Temperature rating:

-40C to +85C
UV Rated

Frequency (MHz)	Min.RL (dB)	Max.IL (dB/100m)	Min.NEXT (dB)	Min.PSNEXT (dB)
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1	20.0	2.0	74.3	72.3
4	23.0	3.8	65.3	63.3
8	24.5	5.3	60.8	58.8
10	25.0	6.0	59.3	57.3
16	25.0	7.6	56.2	54.2
20	25.0	8.5	54.8	52.8
25	24.3	9.5	53.3	51.3
31.25	23.6	10.7	51.9	49.9
62.5	21.5	15.4	47.4	45.4
100	20.1	19.8	44.3	42.3
200	18.0	29.0	39.8	37.8
250	17.3	32.8	38.3	36.3
300	16.8	36.4	37.1	35.1
400	15.9	43.0	35.3	33.3
550	14.9	51.8	33.2	31.2

Frequency (MHz)	Min.ELFEXT (dB)	Min.PSELFEXT (dB)	Max.Delay (ns/100m)	Max.Delay skew(ns/100m)
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1	67.8	64.8	570	45
4	55.8	52.8	552	45
8	49.7	46.7	547	45
10	47.8	44.8	545	45
16	43.7	40.7	543	45
20	41.8	38.8	542	45
25	39.8	36.8	541	45
31.25	37.9	34.9	540	45
62.5	31.9	28.9	539	45
100	27.8	24.8	538	45
200	21.8	18.8	537	45
250	19.8	16.8	536	45
300	18.3	15.3	536	45
400	15.8	12.8	536	45
550	13.0	10.0	536	45

