

PRODUCT SPECIFICATION

Part No: CC-SW0266
Description: (2) TRI SHIELD 3.0 GHz RG-6/U 75 OHM COAX +(2) 4 PAIR CAT 6 CM-CL2 WITH OVERALL JACKET

Construction: Two Cat 6 (P/N TBD) and two RG6/U Tri-Shield 80% 3.0 GHz (P/N TBD) cabled together with a tubed overall jacket

	<u>Coax</u>	<u>Cat 6</u>
Insulation	Foam Polypropylene	Polypropylene
Jacket Type	PVC	PVC
Color	Black & White	White & Green
Coax Diameter	0.280" nom.	0.245" nom.

	<u>Overall Jacket</u>
Separator	Clear Mylar Tape
Jacket Type	PVC
Color	Blue
Thickness	0.025" nom.
Diameter	0.710" nom.

Legend (Ink Print) SMART CONNECTIONCABLE ETL VERIFIED CAT6 2x4PR23
350 MHZ + 2x18AWG RG6/U 3000 MHZ (UL) CM E175106 XXXXX-
XXX XXXXXFT

Ripcord Nylon

Properties

Temperature Rating -20 to 60°C
Voltage Rating 300 Volts
UL Ratings CM/CL2

Jacketed Cable:

Two Cat 6 350 MHz UTP cables (see detailed description below)
Two Trishield RG-6 BC coax cables w/ 80% braid (see detailed description below)
Overall polyester separator tape and nylon binder
Overall CM rated PVC jacket w/ ripcord and footage markers

UL Listing: CM
Cable Weight: 91 lbs/1000'
Jacket Diameter: 0.710" nom.
Min. Bend Radius: 3.0"
Max. Pulling Tension: 50 lbs.
Temperature Rating: -20 to 60 deg C

Trishield RG-6 Coax Description

AWG #18 bare copper center conductor, nitrogen-injected foam polyethylene dielectric, shield consisting of 100% coverage aluminum foil/80% aluminum braid/100% aluminum foil bonded to a PVC jacket.

Dielectric Diameter: 0.18" nom. Jacket Diameter: 0.275"
UL Listing: CATV; CM
Min. Bend Radius: 3.0"

Nom. Capacitance: 17.0 pF/ft Nom. Inductance: 0.097 micro-H/ft
Nom. Delay: 1.2 ns/ft Nom. Velocity: 82%
Nom. Conductor dcr: 6.2 Ohms/1000' Nom. Shield dcr: 7 Ohms/1000'
Impedance: 75+/-3 Ohms
Max. Op. Voltage: 300 V

Frequency (MHz)	Nom Attenuation (dB/100')	Min SRL (dB)
5	0.6	20
55	1.5	20
211	2.7	20
400	3.9	20
500	4.2	20
600	4.7	20
750	5.5	20
1000	6.4	20
1500	7.9	15
1800	8.7	15
2000	9.2	15
2200	9.7	15
2400	10.2	15
3000	11.4	15

* Sweep tested to 3.0 GHz

Cat 6 350 MHz Description

4 Pair Category 6 unshielded twisted pair (UTP) cable. Ave #23 solid bare copper conductors, polypropylene insulation, FR polyolefin spacer, PVC jacket with ripcord under jacket and sequential footage markings. ETL Verified to TIA/EIA-568.2-1 requirements.

Jacket Diameter: 0.250” Min. Bend Radius: 1.0”
UL Listing: CM

<u>Conductor Color Code</u>	<u>Pair</u>
Blue & White/Blue	1
Orange & White/Orange	2
Green & White/Green	3
Brown & White/Brown	4

Voltage Rating: 300 V Current Rating: 1.4 A

Attribute	Nominal Value	Maximum Value
Dc Resistance	7.6 ohms/100m	9.38 ohms/100m
Resistance Unbalance	1.50%	5%
Capacitance	4.9 nF/100m	5.6 nF/100m
Capacitance Unbalance	50 pF/100m	330 pF/100m
Velocity of Propagation	69%	NA
Propagation Delay	535 ns/100m	570 ns/100m
Delay Skew	20 ns/100m	45 ns/100m

Frequency (MHz)	Max Attenuation (dB/100m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min PSACR (dB/100m)	Impedance (ohms)	Min PSELFEXT (dB)	RL (dB)
0.772	1.8	76	74	72	NA	67	NA
1	2.0	74	72	70	100 +/- 15	65	20
4	3.8	65	63	66	100 +/- 15	53	23
8	5.3	61	59	53	100 +/- 15	47	25
10	6.0	59	57	51	100 +/- 15	45	25
16	7.6	56	54	47	100 +/- 15	41	25
20	8.5	55	53	44	100 +/- 15	39	25
25	9.5	53	51	42	100 +/- 15	37	24
31.25	10.7	52	50	39	100 +/- 15	35	24
62.5	15.4	47	45	30	100 +/- 15	29	22
100	19.8	44	42	23	100 +/- 15	25	20
155	25.2	41	39	14	100 +/- 15	21	19
200	29.0	40	38	8.6	100 +/- 15	19	18
250	32.8	38	36	3.5	100 +/- 15	17	17
350	39.8	36	34	---	100 +/- 15	14	16