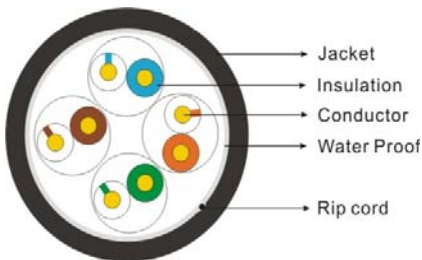


Active Vision Inc. CAT.5E DIRECT BURIAL OUTDOOR CABLE SPEC.

Cross Section



Construction

CONDUCTOR :	AWG:	24
	Stranding:	Solid
	Material:	BC - Bare Copper
INSULATION :	Material:	Polyethylene
	identification:	with strip colour marking on white cores
	colors :	Blue,White/Blue Orange,White/Orange Green,White/Green Brown,White/Brown
TWISTING:	Lay Length:	30mm underneath
CABLING:	Lay Length:	200mm underneath
	water proof	0.25*20mm
OUTER JACKET :		LDPE
OVERALL DIA :	NOM. Diameter	5.5±0.5
RIP CORD:	as per customer requirement	
PRINT:	as per customer requirement	
WEIGHT(kg/km)		

Description

Product Standard Certification : UL and C(UL)

Flammability Test:

Application

100/1000BASE-T ETHERNET; 155Mbps ATM ;ISDN

Reference Standard

YD/T1019-2001 UL Subject 444,EIA/TIA568 & ISO/IEC 11801;IEC61156-5

Packaging Type : REEL or PULL BOX

Electrical Characteristics:

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
1	20.00	2.04	65.30	63.26
4	23.01	4.05	56.27	52.22
10	25.00	6.47	50.30	43.83
16	25.00	8.25	47.24	38.99
20	25.00	9.27	45.78	36.51
25	24.32	10.42	44.33	33.91
31.25	23.64	11.72	42.88	31.16
62.5	21.54	16.99	38.36	21.37
100	20.11	21.98	35.30	13.32
350	16.30	44.85	27.14	-17.71

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	Delay (ns/100m)	PSELFEXT (dB/100m)
1	61.00	64.00	570.00	61.00
4	48.96	51.96	552.00	48.96
10	41.00	44.00	545.38	41.00
16	36.92	39.92	543.00	36.92
20	34.98	37.98	542.05	34.98
25	33.04	36.04	541.20	33.04
31.25	31.10	34.10	540.44	31.10
62.5	25.08	28.08	538.55	25.08
100	21.00	24.00	537.60	21.00
350	10.12	13.12	535.92	10.12

1.0-100.0MHz Impedance (ohms)	100 ± 15
100.0-350.0MHz Impedance (ohms)	100 ± 22
1.0-100.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20oC (ohms/km)	<=95
Resistance Unbalance (%)	<=5

Mechanical Characteristics:

Test Object:	Jacket
Test Material	LDPE
Before	Tensile Strength (Mpa) >=19.0
Aging	Elongation (%) >=300
Aging Condition (oCxhrs)	100x96
After	Tensile Strength (Mpa) >=80% of unaged
Aging	Elongation (%) >=50% of unaged