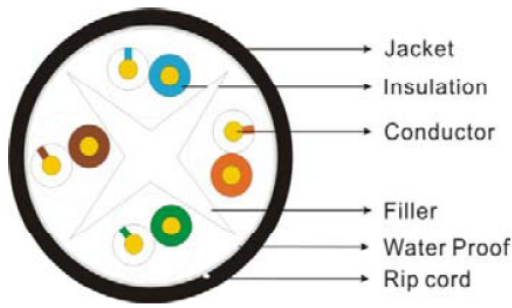


CAT.6 DIRECT BURIAL OUTDOOR CABLE SPEC.

Cross Section



Construction

CONDUCTOR :	AWG:	23
	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
OUTER JACKET :		LDPE
OVERALL DIA :	NOM. Diameter	6.2±0.3
RIP CORD:		as per customer requirement
PRINT:		as per customer requirement
WEIGHT(kg/km)		

Description

Construction

Product Standard Certification
Flammability Test

Application

Horizontal Wiring in LAN
Outdoor Direct Burial, UV Rated

Reference Standard

YD/T1019-2001 UL Subject 444,EIA/TIA568 & ISO/IEC 11801;IEC61156-6

Temperture Rating

Operational Temperature : -40C to 70C
Installation Temperature : -20C to 70C

P/N : 6EOSPBK2

PACKAGING TYPE : REEL

Electrical Characteristics:

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
1	20.00	2.03	74.30	72.27
4	23.01	3.87	65.27	61.40
10	25.00	5.95	59.30	53.35
16	25.00	7.55	56.24	48.69
20	25.00	8.47	54.78	46.31
25	24.32	9.51	53.33	43.82
31.25	23.64	10.67	51.88	41.21
62.5	21.54	15.38	47.36	31.98
100	20.11	19.80	44.30	24.50
200	18.00	28.98	39.78	10.80
250	17.32	32.85	38.33	5.48
350	16.30	39.79	36.14	-3.65
550	14.92	51.76	33.19	-18.57
Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	Delay (ns/100m)	PSELFEXT (dB/100m)
1	72.30	67.80	570.00	64.80
4	63.27	55.76	552.00	52.76
10	57.30	47.80	545.38	44.80
16	54.24	43.72	543.00	40.72
20	52.78	41.78	542.05	38.78
25	51.33	39.84	541.20	36.84
31.25	49.88	37.90	540.44	34.90
62.5	45.36	31.88	538.55	28.88
100	42.30	27.80	537.60	24.80
200	37.78	21.78	536.55	18.78
250	36.33	19.84	536.28	16.84
350	34.14	16.92	535.92	13.92
550	31.19	12.99	535.54	9.99

1.0-250.0MHz Impedance (ohms)	100 ± 15
250-550MHz Impedance (ohms)	100 ± 25
1.0-550.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C(ohms/km)	<=73.2
Resistance Unbalance (%)	<=5

Mechanical Characteristics:

Test Object:	Jacket
Test Material	LDPE
Before	Tensile Strength (Mpa) >=19.0
Aging	Elongation (%) >=300
Aging Condition (°Cxhrs)	100x96
After	Tensile Strength (Mpa) >=85% of unaged
Aging	Elongation (%) >=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack