STL

estelan

Cat6 U/UTP PE Cable

CPR COMPLIANT
Construction Products Regulation
EN 50575

PoE

Application:

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth of 250MHz. This cable well exceeds the requirements of ANSI/TIA-568-C.2 and ISO/IEC 11801.

PE Sheath
Rip Cord
Coloured Insulation
Copper conductor
Insulation with Colour stripe
PE Separator

Standards:

• Compatible with all common systems according to ANSI/TIA-568-C.2
• ISO/IEC 11801

Construction:

Conductor	23 AWG Solid bare Copper
Insulation	High Density Polyethylene Solid
Pairs	2 Insulated conductors twisted together
Sheath	PE Black - UV Stabilized
Cable Diameter	6.2 ± 0.1 mm

Mechanical Properties:

Bending Radius: < 4 X Cable Diameter at –20°C ± 1°C
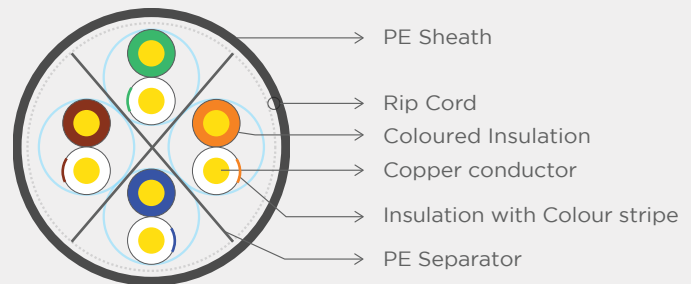Pulling Force: 11.5Kg

Temperature Range
Operation: -20° to +70°C
Installation: 0° to + 50°C

Electrical Properties:

Conductor Resistance   : ≤ 9.38Ω/100m
Mutual Capacitance   : < 5.6nF/100m
Resistance Unbalance   : 5% Max

Capacitance Unbalance   : 330pF/100m
Delay Skew   : < 45nS

Transmission Characteristics-90 M PERMANENT LINK

Frequency (MHz)	IL (dB) Max.	RL (dB) Min.	NEXT (dB) Min.	PS NEXT (dB) Min.	ACR-F (dB) Min.	PS ACR-F (dB) Min.	Prop. Delay (ns) Max.
1	1.9	19.1	65	62	64.2	61.2	521
4	3.5	21	64.1	61.8	52.1	49.1	504
8	5	21	59.4	57	46.1	43.1	500
10	5.5	21	57.8	55.5	44.2	41.2	498
16	7	20	54.6	52.2	40.1	37.1	496
20	7.9	19.5	53.1	50.7	38.2	35.2	495
25	8.9	19	51.5	49.1	36.2	33.2	495
31.25	10	18.5	50	47.5	34.3	31.3	494
62.5	14.4	16	45.1	42.7	28.3	25.3	492
100	18.6	14	41.8	39.3	24.2	21.2	491
200	27.4	11	36.9	34.3	18.2	15.2	490
250	31.1	10	35.3	32.7	16.2	13.2	490

Color Code:

PAIR NO	COLOR	PAIR NO	COLOR
1-2	White-Orange Stripe & Orange	4-5	White-Blue Stripe & Blue
3-6	White-Green Stripe & Green	7-8	White-Brown Stripe & Brown

Jacket Color (C_1, C_2)

■ PE Black (08)

Packing (P_1 P_2): Available in Reel in box of 305 m (1000ft)(04)
OR As per Customer's Request

Product Code / Part No:

Part No	Product Name	Euro Class
23126-$C_1C_2P_1P_2$	Cat6 U/UTP-PE-23AWG	CPR-Fca

Refer to Jacket Color and Packaging details for C_1C_2 and P_1P_2 respectively.