

Outdoor Shielded Downlink Ethernet Cables

SIL DLC 10M
SIL DLC 20M
SIL DLC 50M
SIL DLC 90M



Outdoor Graded network Cable with RJ45 Male Connectors

OVERVIEW

SilverNet’s SIL DLC Range is a solid copper core **outdoor shielded Ethernet network cable**. The range is available in 4 lengths; 10 Metres, 20 Metres, 50 Metres and 90 Metres, giving you flexibility over your installation.

The SIL DLC provides super-fast and reliable connectivity between any network devices whilst the shield defends against sources of noise from external sources that could cause data loss.

Features

- Shielded Internal Sheath
- Shielded RJ45 Head
- Twisted-pair copper wiring
- Heavy-duty outdoor casing
- Internal Grounding Wire
- Installation temperature Range: -40 to +85°C
- Operating temperature Range: -40 to +85°C

Part Code	Description
SIL DLC 10M	2 x Shielded RJ45 heads with 1 Cable 10 Metre length
SIL DLC 20M	2 x Shielded RJ45 heads with 1 Cable 20 Metre length
SIL DLC 50M	2 x Shielded RJ45 heads with 1 Cable 50 Metre length
SIL DLC 90M	2 x Shielded RJ45 heads with 1 Cable 90 Metre length

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Technical Specifications

FTP Cat5e RJ45	SIL DLC XM
Electrical Specifications	
Conductor DC Resistance (ohms/km)	95.0
Conductor Resistance Unbalance Max %	5.0
Characteristic Impedance (ohms)	100 (±15)
Velocity Ratio	65%
Physical Specifications	
Conductor	Solid Bare Copper Wire
Size	24AWG (1/0.50 - ±0.005)
No. of Pairs	4
Insulation	HDPE Ø 1.03mm (±0.03mm)
Screening	Aluminum Foil [+24AWG Drain Wire]
Outer Sheath Mateiral	PVC
Outer Sheath Dimensions	Ø6.20m, (±0.3mm) Nominal Thickness 0.55mm (±0.05)

Frequency (MHz)	RL (dB) min. ≥	Attenuation (dB/100m) max ≤	NEXT (dB) ≥	PSNEXT (dB) ≥	PSELFEXT (dB) ≥	ELFEXT (dB) ≥
1	20.0	2.0	65.3	62.3	61.0	64.0
4	23.0	4.1	56.3	53.3	49.0	52.0
8	24.5	5.8	51.8	48.8	42.9	45.9
10	25.0	6.5	50.3	47.3	41.0	44.0
16	25.0	8.2	47.2	44.4	36.9	39.9
20	25.0	9.3	45.8	42.8	35.0	38.0
25	24.3	10.4	44.3	41.3	33.0	35.8
31.25	23.6	11.7	42.9	39.9	31.1	34.1
62.5	21.5	17.0	38.4	35.4	25.1	28.1
100	20.1	22.0	35.3	32.3	21.0	24.0