

CATEGORY 5e CABLING SOLUTIONS

**premium
line**

www.premiumline-cabling.com

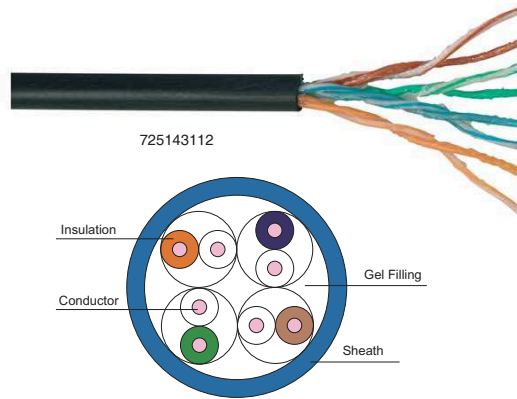
Installation Cable Category 5e U/UTP Outdoor Gel Filled

Standards:

- ANSI/TIA-568-C.2
- ISO/IEC 11801 ED.2
- CENELEC EN 50173-1
- CENELEC EN 50288-3-1
- RoHS compliant

Application:

- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T
- Voice, ISDN



Premium Line Category 5e gel filled cable is ideal design for outdoor cabling. Each conductor made by annealed 24AWG bare copper, guarantee the conductor elongation strength, the semi-solid gel filling around each pair, to against the water penetration and protects inner insulation from vile weather. The cable complete with excellent PE out sheath, ensure it could endure all weather condition in temperature range -40°C ~60°C.

Construction

Conductor	Material / size	Bare Copper / 24AWG
Insulation	Material	HDPE
Sheath	Material	PE
Filling Gel		NUFLEX RE-4088
Operation Temperature		-40°C to +60°C

Mechanical & Environmental Characteristics

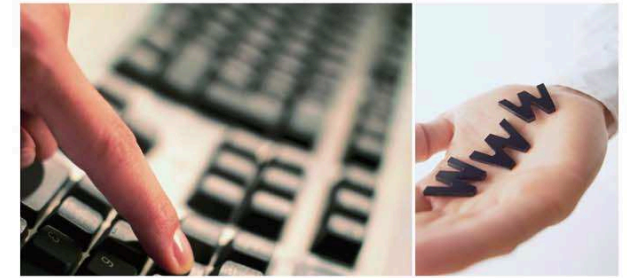
Bending Radius	≥ 4D, without load ≥ 8D, with load
Operation Temperature	-40°C~+50°C
Installation Temperature	-40°C~+50°C
Storage Temperature	-40°C~+50°C

Electrical Performance

Freq (MHz)	Attenuation (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.0	1.8	65.3	77.7	62.3	75.2	63.3	75.9	63.8	69.2	60.8	68.5	20.0	40.1
4.0	4.1	3.7	56.3	68.7	53.3	66.0	52.2	64.9	51.7	57.5	48.7	57.0	23.0	40.1
10.0	6.5	6.0	50.3	60.7	47.3	58.3	43.8	54.5	43.8	49.0	40.8	48.2	25.0	37.3
16.0	8.2	7.7	47.3	56.1	44.3	53.7	39.1	48.3	39.7	45.6	36.7	43.8	25.0	36.7
20.0	9.3	8.6	45.8	55.3	42.8	52.9	36.5	46.5	37.7	43.6	34.7	42.8	25.0	36.0
31.25	11.7	10.8	42.9	52.7	39.9	50.0	31.2	41.6	33.9	40.1	30.9	39.3	23.6	32.6
62.5	17.0	15.5	38.4	48.0	35.4	45.5	21.4	32.2	27.8	34.7	24.8	33.5	21.5	31.6
100.0	22.0	19.8	35.3	44.5	32.3	42.2	13.3	24.2	23.8	30.4	20.8	29.4	20.1	31.7

Category 5e U/UTP Outdoor Gel Filled

PART NO.	DESCRIPTION	PACKING SIZE
725143112	Category 5e U/UTP Outdoor Installation Cable, Gel filled -40°C, PE, 305m Box	35x35x21 cm



Modular Outlet Category 5e Shielded Modular Outlet

Premium Line Modular outlet is in dedicated design for European market. With the high electrical performance also the high quality physical material used for inner construction and outside appearance, it provides both easy and reliable field installation also real long time application. And in finished size 80x80mm.

Physical Characteristics

Plate	ABS, UL94 V-0
Top & Bottom Case	Zinc die casting alloys
Jack	Shielded: bronze with nickel plated Plastic housing: engineering thermoplastic
IDC	Main body: PC, UL94 V-0 IDC Contacts: 100µ inch nickel plated over phosphor bronze

Electrical Characteristics

Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%~90%; non condensing

Applications

- 10Base-T, 100Base-TX, 100Base-T4, 1000Base-T
- ATM-25/ATM-51/ATM-155/100VG-AnyLan
- TR-4/TR-16 Active/TR16 Passive



111521280

All the products are verified the electrical characteristics required in the directive.

Category 5e Shielded Modular Outlet

PART NO.	DESCRIPTION	PACKING SIZE
111521280	Premium Line Category 5e Shielded Compact Outlet, 80x80mm, RAL1013	51x29x26.5 cm
111521290	Premium Line Category 5e Shielded Compact Outlet, 80x80mm, RAL9010	51x29x26.5 cm

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