

R&Mclassic Cat.6 Patch Cords

Cat.6 classic Patch Cords



R&Mclassic Cat.6 patch cords are used for connecting the network equipment to patch panels and telecommunications outlets. They are suitable for frequencies of up to 250 MHz.

Features of Cat.6 classic Patch Cord



- Fulfills the requirements of Category 6, Class E (250MHz) according to the present standard of TIA-568.2 and ISO/IEC 11801
- Complies with the Category 6 specifications of the IEC 60603-7-4 / IEC 60603-7-5 connector standard
- Supports PoE (IEEE 802.3af), PoEP (IEEE 802.3at), 4PPoE (IEEE 802.3bt) and is compatible to IEC 60512-99-001/002 (*)
- Tested according to IEC 61935-2
- Lengths from 0.2 to 20m available
- Impedance of 100Ω
- LSZH versions

Cat.6 classic Patch Cords Data Sheet

Materials

Plug Housing	Contacts	Contact Plating	Shielding
UL 94-V0 polycarbonate	Bronze (CuSn6)	1,27 μm gold plate	Brass with nickel plated

Electrical Characteristics

General	Current Rating	Dielectric Withstanding Voltage	Insulation Resistance @20°C 100VDC
Compliant to 60603-7	1.5A @ 25°C	1000 VDC	≥500 MΩ

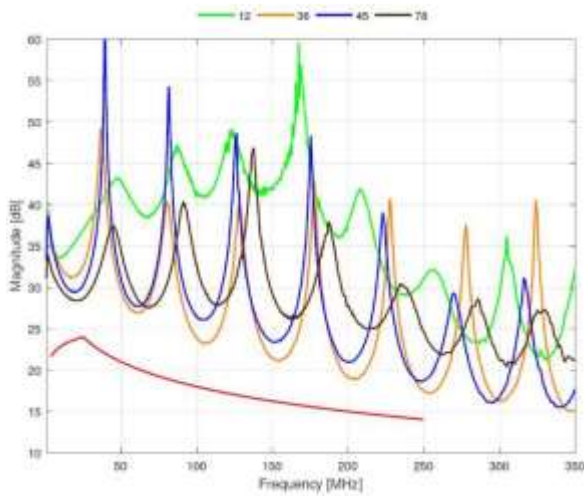
Mechanical Characteristics

Plug Tolerances and Dimensions	Environmental Characteristics
Compliant to IEC 60603-7	Operating Temperature -10°C to +60°C

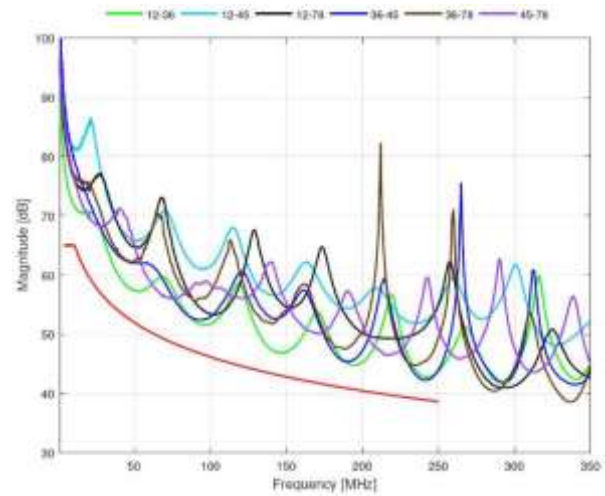
Patch Cord Characteristics Cat.6 classic

	unshielded	shielded
Inner conductor diameter	AWG26/7	AWG26/7
Cable construction	U/UTP	U/FTP
Number of pairs	4	4
Screen per pair	None	AL/ foil
Outer screen	None	None
Jacket	LSZH	LSZH
Bending radius	≥35mm operation (without load)	≥50mm operation (without load)
Outer diameter	nominal 4.5 mm	nominal 5.7 mm
Wiring method	standard: TIA568A, optional: TIA568B	
Jacket colours	grey, yellow, red, blue, green, orange, black, violet, white	

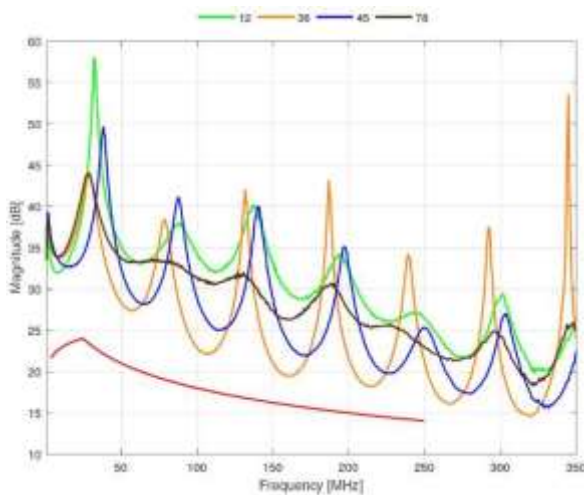
Typical Return Loss Cat.6 unshielded patch cord 2m



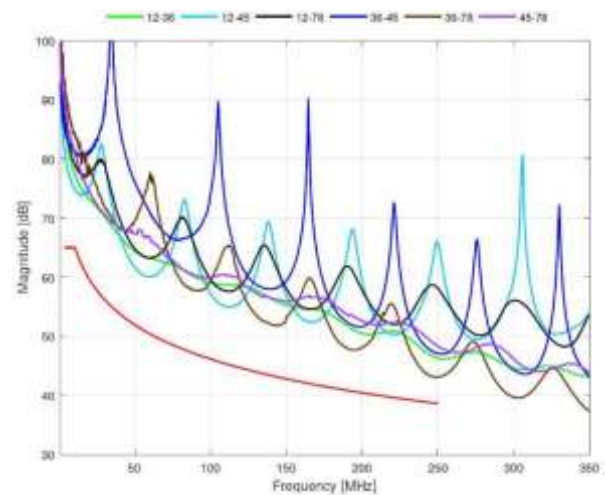
Typical NEXT Cat.6 unshielded patch cord 2m



Typical Return Loss Cat.6 shielded patch cord 2m



Typical NEXT Cat.6 shielded patch cord 2m



Patch Cord Cat. 6, Unshielded, 4P, LSZH, RJ45/u-RJ45/u

Length (m)	Gray	Yellow	Red	Blue	Green	Orange	Black	Violet	White
0.5	875975	881004	881012	881020	881028	881036	881044	881052	881060
1.0	875976	881005	881013	881021	881029	881037	881045	881053	881061
1.5	875977	881006	881014	881022	881030	881038	881046	881054	881062
2.0	875978	881007	881015	881023	881031	881039	881047	881055	881063
3.0	875979	881008	881016	881024	881032	881040	881048	881056	881064
5.0	875980	881009	881017	881025	881033	881041	881049	881057	881065
7.5	875981	881010	881018	881026	881034	881042	881050	881058	881066
10.0	875982	881011	881019	881027	881035	881043	881051	881059	881067

Patch Cord Cat. 6, Shielded, 4P, LSZH, RJ45/s-RJ45/s

Length (m)	Gray	Yellow	Red	Blue	Green	Orange	Black	Violet	White
0.5	875964	881080	881089	881097	881105	881113	881121	881129	881137
1.0	875965	881081	881090	881098	881106	881114	881122	881130	881138
1.5	875966	881082	881091	881099	881107	881115	881123	881131	881139
2.0	875967	881083	881092	881100	881108	881116	881124	881132	881140
3.0	875968	881084	881093	881101	881109	881117	881125	881133	881141
5.0	875969	881086	881094	881102	881110	881118	881126	881134	881142
7.5	875970	881087	881095	881103	881111	881119	881127	881135	881143
10.0	875971	881088	881096	881104	881112	881120	881128	881136	881144