Solution 6A Shielded Copper System
Solution 6A Shielded Modular Cords

Regional Availability - Europe | Russia | Central Asia | India | Middle East | Africa | Latin America | Asia Pacific | China
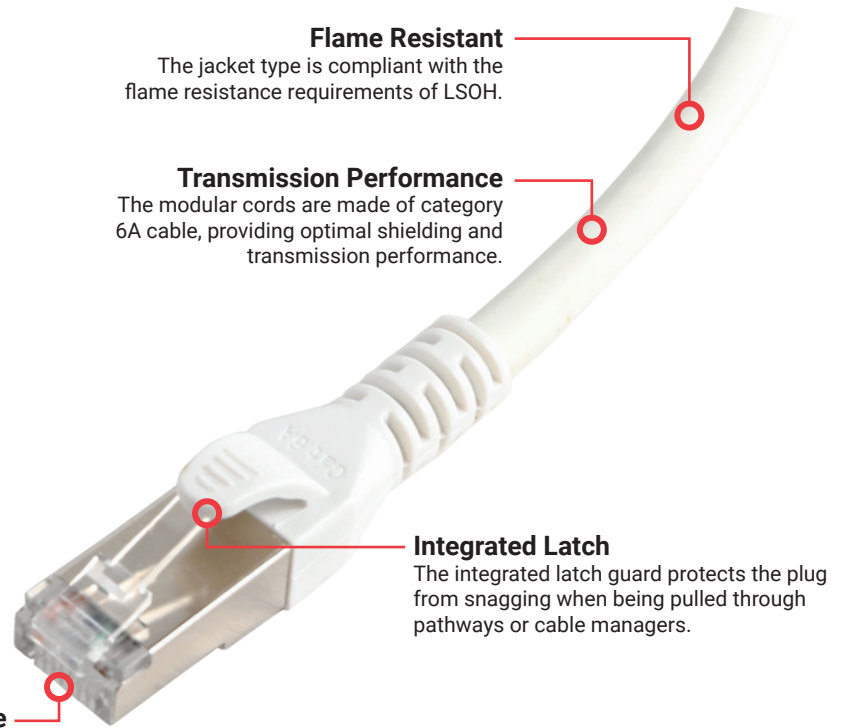
Siemon's Solution 6A shielded modular cords are key components to ensure optimum channel performance of our category 6A shielded systems. These cords feature stranded conductors for high flexibility, enhanced shielded F/UTP construction and a 360-degree overmolded boot which provides excellent plug-to-cable strain relief and the shielded modular cords meet the specifications for the ISO/IEC 11801-1 Ed 1.0 and ANSI/TIA-568.2-D standards.

Siemon's **PowerGUARD** technology with a 75°C operating temperature improves heat dissipation for reduced length derating and bundling requirements in remote powering applications, including PoE and power over HDBaseT (POH).

Performance Specifications
- ISO/IEC 11801-1 Ed 1.0
- ANSI/TIA-568.2-D
- TIA 968-A
- ANSI/TIA-1096-A
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- Power over HDBaseT™ (PoH)
- Anatel Resolution No.242,2000 (Pending)
- IEC 60332-1, 60754, 61034
- IEC 60603-7

Flame Resistant
The jacket type is compliant with the flame resistance requirements of LSOH.
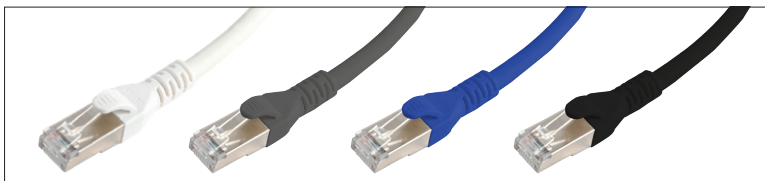
Transmission Performance
The modular cords are made of category 6A cable, providing optimal shielding and transmission performance.

Integrated Latch
The integrated latch guard protects the plug from snagging when being pulled through pathways or cable managers.

Consistent Performance
Internal load bars provide consistent terminations and ideal pair geometry every time.

Multiple Color Options
Available in 4-colors: White, Gray, Blue, and Black

Excellent Bend Relief
The boot and integrated strain relief support ensure that your cables can be routed in even the tightest conditions without affecting your critical cable performance.

Product Information

Performance Specifications

Cord Assembly

Compatibility	Category 6A, 6 and 5e RJ45 outlets
Wiring	T568A/B compatible
Marking	P/N, length, performance level
Operating Temperature	-20 to 75 °C (-4 to 167 °F)
Remote Powering	PoE Type 1,2,3,4 and PoH
Green Features	RoHS, lead-free, halogen-free, PVC free, REACH
Plastic Materials	Flame retardant thermoplastic

Cable

Wire Size (Nominal)	26 AWG 7x34 stranded bare copper
Construction	F/UTP
Cable O.D. (Nominal)	6.6 mm (0.26 in.)
Jacket Type	LSOH
Bend Radius	26.4 mm (1.04 in.)

Plug

Number of Plug Insertion Cycles	2,500
Min. Plug Retention Force	50N (11.24 lbf)
Contact Resistance	20 mΩ
Input to Output DC Resistance	200 mΩ (signal conductors) 100 mΩ (shield)
Insulation Resistance	500 mΩ
Min. Dielectric Withstand Voltage	1000 V DC or AC peak (contact to contact) 1500 V DC or AC peak (contact to shield)
Current Rating @ 25 C (77 F)	1.5 A
Flammability Rating	UL 94 - V0
Contact Materials	Copper alloy with contact plating of 50 microinches gold or equivalent

Ordering Information

Solution 6A category 6A, double-ended, 4-pair F/UTP stranded modular patch cord, booted, LSOH, standard single pack

PC6A-S(XXX)MA(XX)LS

Cord Length
001 = 1m(3.2 ft.)
1.5 = 1.5m (5 ft.)
002 = 2m (6.5 ft.)
003 = 3m (9.8 ft.)
005 = 5m (16.4 ft.)
007 = 7m (23 ft.)

Cord Color
01 = Black
02 = White
04 = Gray
06 = Blue

Additional lengths and colors available upon request. Extended lead time and minimum order quantities may apply. Contact Siemon Customer Service for more information.