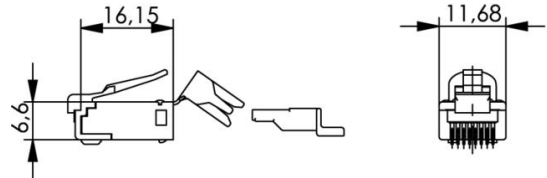


order number: J80026A0000

STX IP20 RJ45 plug AWG24-27 Cat.6



Technical Attributes	
Description	STX IP20 RJ45 plug Cat.6
Solid/Stranded	AWG24-27
Remarks	without cable boot

Product description

The RJ45 connectors acc. to IEC 60603-7-5 are available in two designs. The 8-way Cat.6 connector for stranded wire cables AWG26/7-22/7 or solid wire cables AWG26/1-22/1 can easily be assembled onsite without any special tools. The maximum cable diameter is 8.5 mm. The connector features the T568 A/B and PROFINET pin assignment and a 360° shielding connection. The small and robust zinc diecast housing can also be supplemented with different colour codings. The 8-way Cat.6 connector for stranded wire cables AWG27/7-24/7 and solid wire cables AWG27/1-24/1 completes the product line. Assembled with a crimp tool it offers shielding connection and a wire presorting for easy handling, too. The strain relief pressure is thereby absorbed by the cable jacket. This avoids deformation of wires. Retrofit, 2-part cable boots in different colours are available additionally. Suitable crimp tools, one for less frequent usage, the other for professional application round-off the product range. Both connectors are capable for use in multiport-applications such as patch panels, switches, etc.

Mechanical Characteristics	
Insertion force	≤ 30 N
Durability (mating cycles)	≥ 750
Material: connector housing	PC UL94 V0
Material: carrier	
Material: contacts	phosphor bronze
Material: contact finish	min. 0,8 µm Au on 2,54 µm Ni
Material: shield	brass
Material: shield finish	2 µm Ni
Material: contact IDC termination	
Material: IDC termination finish	
Material: cable boot	PA UL94 V0 black
Mating Requirements Cu-Conductor diameter: solid	0.40 - 0.51 mm AWG 26/1 - AWG 24/1
Mating Requirements Cu-Conductor diameter: stranded	0.46 - 0.61 mm AWG 27/7 - AWG 24/7
Core Diameter	0.85 - 1.05 mm
Cable diameter	5.0 - 7.3 mm

Electrical Characteristics	
PoE+ acc to IEEE 802.3at	Adequate for Power over Ethernet+

Standards	
Generic cabling systems	ANSI/TIA/EIA-568-B.2-10; ISO/IEC 11801:2002; EN 50173-1:2007; ISO/IEC 24702:2006; CDV IEC 61918 Ed. 2.0
Connectors	IEC 60603-7-5

Transmission Characteristics	
Category Cat.6	ANSI/TIA/EIA-568-B.2-10
10 Gigabit Ethernet	IEEE 802.3an - 2006