

Cat.7 1200 MHz Installation Cable

- S-STP 1200/22, FRNC
- Duplex S-STP 1200/22, FRNC

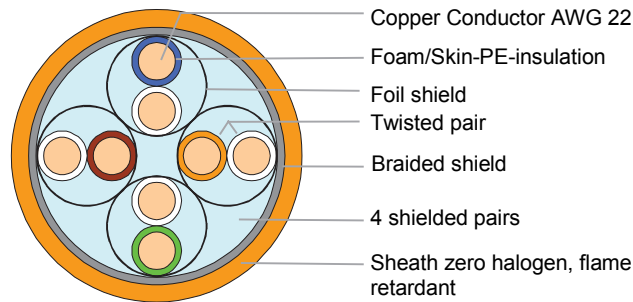
Application

The ADC KRONE S-STP 1200/22 cable is designed for applications up to 1200 MHz and provides transmission performance meeting Category 7 specifications. These cables are low skew products, i.e. the difference in propagation delay between the individual pairs is very low.

This is increasingly being requested for Gigabit Ethernet. The suitability of the cable for high-bit-rate transmission systems ensures a high degree of future proofing. Additional features are the slim design and low weight of the cables. Each pair is individually shielded (STP). The twisted pairs are additionally enclosed as a group in a braided shield (S-STP) to provide superior shielding performance.

The cable thus exceeds the requirements for EN 55022 Class B emission and EN 55024 immunity, enabling networks to be built which are compliant with the standards on electromagnetic compatibility.

The compact design allows the cables to be installed flat or folded together.



S-STP 1200/22 4P

Characteristics

The ADC KRONE F S-STP 1200/22 cables are available in halogenfree versions with FRNC outer jacket. Every single pair is shielded with foil (STP). Each pair is individually shielded (STP). The twisted pairs are additionally enclosed as a group in a braided shield (S-STP) to provide superior shielding performance. This cables are low skew products, i.e. the difference in propagation delay between the individual pairs is very low.

The slim and lightweight design allowed best characteristics in fire retardance. The compact design allows the cables to be installed flat or folded together.

Design

Type designation	Category	Diameter conductor	Number of pairs	Fire rating (MJ/m)	Halogen-free	Tensile strength for installation [N]	Outside-? [mm]	Weight [kg/km]
S-STP 1200/22 4P LS0H-3	7 Plus	AWG 22	4	0,67	Yes	179	7,7	66

Max. loop resistance: 118 Ohm/km
 Max. resistance difference: 1%
 Insulation resistance: > 5000 MOhm x km
 Impedance Zo at 0,064 MHz: 125 Ohm ± 20%
 Impedance Zo at 1 - 100 MHz: 100 Ohm ± 15%
 Transfer impedance: < 2 Ohm/km at 10 MHz
 Longitudinal conversion loss dB/ref. Length = 1000 m: > 46 dB at 64 kHz
 Longitudinal conversion loss dB/ref. Length = 100 m: > 40 dB at 1 MHz
 Mutual capacity: 42 pF/m
 Max. capacitance at 0,001 MHz: 1000 pF/km
 Propagation velocity > 10 MHz (NVP*c): 0,79 c
 Propagation delay > 10 MHz: 4,2 ns/m
 Skew: 6 ns/100m

Mechanical Characteristics

Wire insulation: Zero halogen foam-skin material
 Sheath material: FRNC
 Deployment area: Dry and damp rooms
 Max. temperature range during installation: 0°C up to +50 °C
 Max. operating temperature: -20 up to +60°C
 Min. bend radius for single flexure: 45 mm (over flat side)
 Min. bend radius during installation or pulling: 65 mm (over flat side)

Ordering Information

Type designation: Cat.7 Plus Installation Cable
 Delivery: 1.000 m on one way drum
 500 m on one way drum (Duplex)
 Ordering number: 7053 3 462-55
 7053 3 862-55 (Duplex)

TECHNICAL DATA



KRONE



Internet: www.adckrone.com

For a listing of our global sales office locations, please refer to our web site.

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