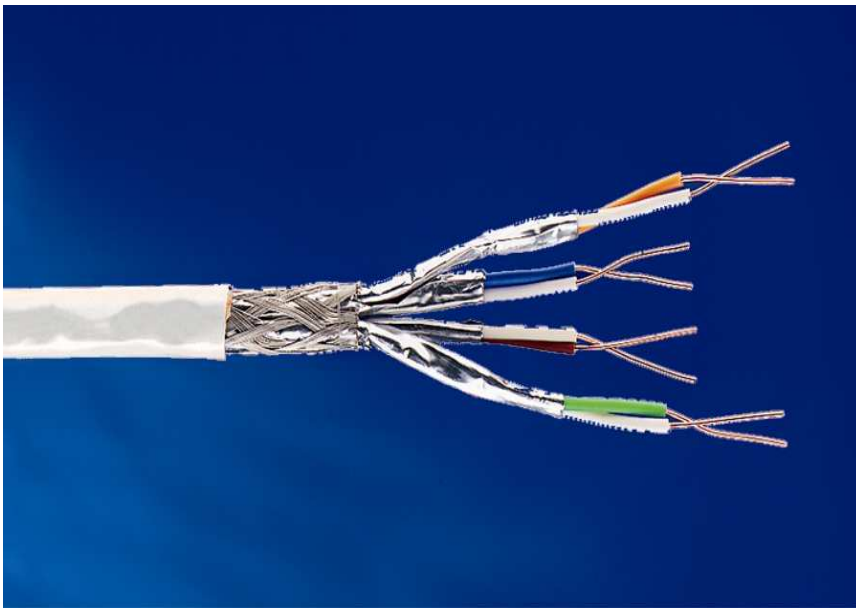


AMP NETCONNECT Systemcable PIMF 1200 AWG 22



Product Facts

Shielded Category 7
Datacable exceeds the
requirements:

ISO/IEC 11801 2nd Edition

EN 50173 2nd Edition

IEC 61156-5

EN 50288-4-1

LSFRZH Sheathing

according to:

IEC 60332-1 & -3-24

IEC 60754-1

IEC 60754-2

IEC 61034-2

High-Speed und Low-Skew
Datacable

Positive ACR up to 1400MHz

The AMP NETCONNECT 1200 MHz PiMF System Cable is a Category 7 Datacable in compliance with IEC 61156-5 / EN 50288-4-1 with a tested bandwidth up to 1400 MHz. The individual pair shield (PiMF construction) and the overall braid screen ensure a perfect shield performance over the entire transmission range.

This high-speed Datacable was developed for the transmission of LAN signals and the highly pure electrolytic copper (99.9%) of the AWG 22 conductors provide a low attenuation. The ACR parameter is positive up to 1400 MHz.

The low-skew construction improves the transmission of Gigabit Ethernet and 10 Gigabit Ethernet signals. In combination with the AMP NETCONNECT low skew termination hardware an excellent performance for these protocols is guaranteed and the complete system exceeds the requirements of the Class D, E and F according to ISO/IEC 11801 2nd edition and EN 50173-1. TV and Multimedia Applications are completely supported.

Moreover this cable was tested with regard to all EMC requirements according to EN 55022 and EN 55024 and showed perfect performance.

Application: Structured Premises Cabling Systems (Horizontal & Vertical Backbone Cabling).

For 10Gigabit Ethernet, Gigabit Ethernet 1000Base-T, Fast Ethernet 100Base-T, Ethernet 10Base-T, Token Ring, ATM 155 Mbps, TP-PMD 100 Mbps, ISDN, analogue (broadband, baseband) and digital video and analogue and digital VoIP voice.



Physical, mechanical and electrical Parameters

Bending radius during installation: ≥ 80mm
Bending radius after installation: ≥ 40mm
Operating temperature: -20 °C to +60 °C
Installation temperature: 0 °C to +50 °C
NVP: 0,80 x C
DC loop resistance: ≤ 14,5 Ω / 100 m
Combustion energy
 0,65 MJ/m (simplex)
 1,30 MJ/m (duplex)
Mutual capacitance: 44 nF / km (900MHz)

Impedance: 100 Ohm ± 5% (100MHz)
Propagation delay: ≤ 420 ns/100m (100MHz)
Delay skew: ≤ 12 ns/100m (100MHz)
Color: white
Paircolor bl/wt, or/wt, gr/wt, br/wt
Tension: max. 110 N (simplex)
 max. 220 N (duplex)
Cable diameter: 8,2mm (simplex)
 8,2x16,5mm (duplex)
Cable weight: 76 kg/km / 150 kg/km

Freq.	Attenuation	ACR	NEXT	PSNEXT	PSELFEXT		RL	
MHz	Typ.[dB]	Typ.[dB]	Typ.[dB]	Min.[dB]	Typ.[dB]	Min.[dB]	Min.[dB]	Typ.[dB]
4	3,5	>100	>100	82	>100	>90	23	35
10	5,4	>100	>100	82	>100	>90	25	40
16	6,8	>100	>100	82	>100	>90	25	40
20	7,6	>100	>100	82	>100	>90	25	40
31,25	9,6	>100	>100	82	>100	>90	25	40
62,5	13,7	>100	>100	82	>100	86	25	40
100	17,5	>100	>100	82	>100	80	23	40
125	19,7	>100	>100	82	>100	75	22	38
200	25	>100	>100	82	>100	73	21	35
250	27	66	93	82	>100	71	20	35
300	30	63	93	82	>100	68	20	30
600	38	51	89	79	93	54	20	27
800	48	38	86	79	88	46	19	25
1000	49	37	86	79	83	38	18	25
1200	55	26	81	78	78	33	17	22
1400*	61	19	80	74	73	31	14	17

*for information only

Part numbers

Sheathing	AWG	Type	OD	Packaging	Part number
LSFRZH	22	Simplex	8.2 mm	1000 m reel	0-1499101-1
LSFRZH	22	Simplex	8.2 mm	500 m reel	0-1499101-2
LSFRZH	22	Duplex	8.2 x 16.5 mm	500 m reel	0-1711003-1

AMP Netconnect Phone Numbers for Europe/Middle East/Africa:

Austria 43-1-90560-1204
Denmark 45-70-15-52-00
Germany 49-6103-709-1547
Italy 39-011-4012-111
Poland 48-22-4576-700
South Africa 27-11-466-2999
Turkey 90-212-281-8181

Belgium 32-16-352-300
Finland 358-95-12-34-20
Greece 30-210-9370-396
Lithuania 370-5-213-1402
Romania 40-21-311-3479
Spain 34-93-291-0330
U.A.E. 971-4-339-1199

Czech Rep. 420-5-41-162-112
France 33-1-3420-2122
Hungary 36-1-289-1007
Netherlands 31-73-6246-246
Russia 7-095-926-55-06
Sweden 46-8-5072-5000
Ukraine 380-44-206-2265

India 91-80-28412433
Norway 47-66-77-88-99
Slovenia 386-1561-3270
Switzerland 41-71-447-0447
United K. 44-208-420-8140

For Middle East & African Countries not shown: 33-1-3420-2122