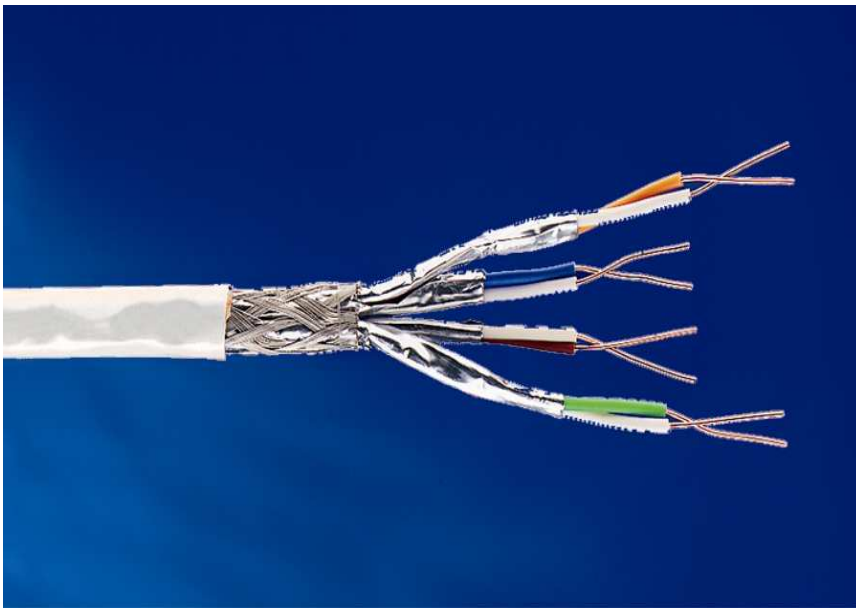


AMP NETCONNECT Systemcable PIMF 1200 AWG 23



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 1300MHz

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 1300 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 23 conductors provide a low attenuation with a compact design. The ACR parameter is positive up to 1300 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: $\geq 80\text{mm}$
Bending radius after installation: $\geq 40\text{mm}$
Operating temperature: $-20\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$
Installation temperature: $0\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$
NVP: $0,80 \times \text{C}$
DC loop resistance: $\leq 16,5\ \Omega / 100\ \text{m}$
Combustion energy: $0,65\ \text{MJ/m}$ (simplex)
 $1,30\ \text{MJ/m}$ (duplex)
Mutual capacitance: $43\ \text{nF} / \text{km}$ (900MHz)

Impedance: $100\ \Omega \pm 15\%$ (100MHz)
Propagation delay: $\leq 427\ \text{ns}/100\text{m}$ (100MHz)
Delay skew: $\leq 7\ \text{ns}/100\text{m}$ (100MHz)
Color: white
Paircolor: bl/wt, or/wt, gr/wt, br/wt
Tension: max. 110N (simplex)
 max. 220N (duplex)
Cable diameter: $8,0\text{mm}$ (simplex)
 $8,0 \times 16,0\text{mm}$ (duplex)
Cable weight: $80\ \text{kg}/\text{km}$ / $160\ \text{kg}/\text{km}$

Freq	Attenuation	ACR	PS NEXT	PS ELFEXT	RL
MHz	Typ.[dB]	Typ.[dB]	Typ.[dB]	Typ.[dB]	Typ.[dB]
1	2	97	97	98	32
10	6	96	97	93	38
31	10	87	96	73	43
62	15	80	96	67	45
100	18	79	96	63	41
200	26	67	95	57	35
250	30	65	92	55	32
300	32	60	91	53	33
450	40	58	87	50	30
600	46	49	84	47	25
750	52	39	81	45	22
900	58	41	78	44	20
1000	61	30	73	43	17
1200	67	23	71	41	17
1300*	71	21	70	40	17

*for information

Part numbers

Sheathing	AWG	Type	OD	Packaging	Part number
LSFRZH	23	Simplex	8,0 mm	1000 m reel	0-1499102-1
LSFRZH	23	Duplex	8,0 x 16,0 mm	500 m reel	0-1711004-1

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

Austria 43-1-90560-1204	Belgium 32-16-352-300	Czech Rep. 420-5-41-162-112
Denmark 45-70-15-52-00	Finland 358-95-12-34-20	France 33-1-3420-2122
Germany 49-6103-709-1547	Greece 30-210-9370-396	Hungary 36-1-289-1007
Italy 39-011-4012-111	Lithuania 370-5-213-1402	Netherlands 31-73-6246-246
Poland 48-22-4576-700	Romania 40-21-311-3479	Russia 7-095-926-55-06
South Africa 27-11-466-2999	Spain 34-93-291-0330	Sweden 46-8-5072-5000
Turkey 90-212-281-8181	U.A.E. 971-4-339-1199	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