



Description

AMP Netconnect internal/external loose tube cables consist of a range of mono-tube designs (4-16 fibres) and multi-loose tube designs (24-96 fibres). For the 4-12 fibre designs, all the fibres are contained within a 2.8mm single tube construction. For 16 fibre designs all the fibres are contained within a 4.0mm single tube construction. The 24-96 fibre designs contain 12 fibre, 2.8mm tubes stranded around a GRP central strength member. All these constructions are then strengthened using aramid yarn strength members and finally a ULSZH (Universal Low Smoke Zero Halogen) jacket.

Specification

AMP Netconnect cables are designed and manufactured with our dedicated modern facilities and all activities are controlled within ISO 9001:2000 approved systems. All our products have undergone extensive type approval testing to IEC 60794 (EN 187 000) and IEC 60793 (EN 188 000) using the latest testing facilities.

AMP Netconnect cables are designed and tested to conform to the fibre and cable performance requirements of, ISO 11801, and TIA/EIA B. The optical fibre specifications are guaranteed installed minimum performance (subject to correct installation and environment). If a higher performance fibre is required please contact our local sales team. Accordingly, the cables meet or exceed all of the performance requirements for current and proposed applications such as IEEE 802.3 Ethernet (including 10 Gigabit Ethernet).

All mono-tube cable constructions consist of [one, two, four, six, eight, twelve, sixteen & twenty-four] primary coated 250µm [singlemode, 50/125µm or 62.5/125µm] fibers. All multi-loose tube cable constructions consist of [twenty-four, forty-eight, seventy-two or ninety-six] primary coated 250µm [singlemode, 50/125µm or 62.5/125µm] fibers. Each construction incorporates colour-coded fibers reinforced by aramid yarn strength members and over-sheathed with ULSZH material for indoor/outdoor applications meeting IEC fire performance requirements.

The cable shall comply with the relevant performance requirements listed in the Performance Characteristics table The temperature ratings for storage, shipping, installation and operation shall comply with the Temperature Ratings table (see performance and temperature charts)



Drawing no	114-92010	Drawn	L. Taylor	10/12/03	Revision Record	Drawing Location: E
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Part numbers

Jacket Colour	Fibre Type / classification	Fibre Bandwidth (dB/km) @850nm/1300nm	Suffix = y
Gold	50/125 OM3	1500/500	3
Yellow	9/125 OS1	N/a	4
Orange	62.5/125 OM1	200/600	5
Orange	50/125 OM2+	600/1200	6
Orange	50/125 OM2	500/500	7
Orange	62.5/125 OM1+	250/800	9

Part Description	Part Numbers	Part Description	Part Numbers
4 fibre IEGLT	x-599160-y	4 fibre IEDLT	x-599152-y
6 fibre IEGLT	x-599161-y	6 fibre IEDLT	x-599153-y
8 fibre IEGLT	x-599162-y	8 fibre IEDLT	x-599154-y
12 fibre IEGLT	x-599164-y	12 fibre IEDLT	x-599156-y
16 fibre IEGLT	x-599165-y	16 fibre IEDLT	x-599157-y
24 fibre IEGLT	x-599167-y	24 fibre IEDLT	x-599159-y
48 fibre IEGLT	x-599609-y	48 fibre IEDLT	x-599605-y
72 fibre IEGLT	x-599610-y	72 fibre IEDLT	x-599606-y
96 fibre IEGLT	x-599611-y	96 fibre IEDLT	x-599607-y

* x = 1 for 1km, 2 for 2km

Mechanical Performance Specifications:

All AMP Netconnect cables are designed and tested using our dedicated modem facilities and all activities are controlled within ISO 9001:2000 approved systems

Mechanical Specifications

Tyco PN	Nominal O.D. mm	Sub Units		Minimum Bend Radius		Nominal Weight Kg/km	Rated Tensile Load	
		N ^o .	O.D. mm	Install mm	Long Term mm		Installation N	Long Term N
x-599160-y	6.4	1	2.8	140	130	33	500	400
x-599161-y	6.4	1	2.8	140	130	33	500	400
x-599162-y	6.4	1	2.8	140	130	33	500	400
x-599164-y	6.4	1	2.8	140	130	33	500	400
x-599165-y	7.5	1	4.0	150	145	44	500	400
x-599167-y	11.5	4	2.8	230	170	125	1000	600
x-599609-y	11.5	4	2.8	230	170	125	1000	600



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Tyco PN	Nominal O.D. mm	Subunits		Minimum Bend Radius		Nominal Weight kg/km	Rated Tensile Load	
		No.	O.D. mm	Install mm	Long Term mm		Installation N	Long Term N
x-599610-y	12.7	6	2.8	250	180	155	2700	2200
x-599611-y	15.0	8	2.8	300	200	210	2700	2200
x-599152-y	6.4	1	2.8	140	130	31	500	400
x-599153-y	6.4	1	2.8	140	130	31	500	400
x-599154-y	6.4	1	2.8	140	130	31	500	400
x-599156-y	6.4	1	2.8	140	130	31	500	400
x-599157-y	7.5	1	4.0	150	145	43	500	400
x-599159-y	11.5	4	2.8	230	170	105	1000	600
x-599605-y	11.5	4	2.8	230	170	105	1000	600
x-599606-y	12.7	6	2.8	250	180	149	2700	2200
x-599607-y	15	8	2.8	300	200	195	2700	2200

x = 1km, 2km

Temperature Ratings

Cable Type	Operation
IE-DLT (2-16f)	-10°C to +60°C
IE-DLT (24-96f)	-10°C to +70°C
IE-GLT (2-16f)	-20°C to +60°C
IE-GLT (24-96f)	-25°C to +70°C

Cable Print:

An Example of the print format on the cables is as follows:

e.g. „AMP NETCONNECT F.O. CABLE X-599152-3 INT/EXT DRY LOOSE TUBE 4 X 50/125 OM3“

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

Austria 43-1-90560-0	Belgium 32-16-352-300	Bulgaria 359-2-971-2152	Czech Rep. 420-5-41-162-112
Denmark 45-70-15-52-00	Egypt 20-2-417-7647	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	India 91-80-8412433
Ireland 353-1-820-3000	Italy 39-011-4012-111	Lithuania 370-5-213-1402	Netherlands 31-73-6246-246
Norway 47-66-77-88-99	Poland 48-22-5490-888	Romania 40-21-311-3479	Slovenia 386-1561-3270
S. Africa 27-41-405-4500	Spain 34-93-291-0330	Sweden 46-8-5072-5000	Switzerland 41-71-447-0447
Turkey 90-212-281-8181	Ukraine 38-044-238-6908	U.A.E. 971-4-339-1199	United K. 44-208-420-8140
Russia:	Moscow 7-095-926-5509	Petersburg 7-812-118-8192	

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