



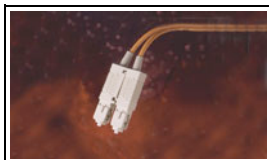
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5504971-1 Product Details

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5504971-1

TE Internal Number: 5504971-1

Active

Fiber Optic Cable Assemblies

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Duplex Fiber, ST & SC Multimode
- Cable Assembly
- SC Fiber Optic Cable Connector Type
- Fiber Type = OM1 62.5/125 Micron
- Cable Assembly Type = SC Duplex to SC Duplex

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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • CABLE ASSEMBLY, FIBER OPTIC, 3.0 mm 62.5/125um LDD... (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • None Available <p>Product Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Application Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files:</p> <ul style="list-style-type: none"> • None Available 	<p>Related Products:</p> <ul style="list-style-type: none"> • Tooling

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Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Product Designation = Duplex Fiber, ST & SC Multimode • Product Type = Cable Assembly • Fiber Optic Cable Connector Type = SC • Cable Assembly Type = SC Duplex to SC Duplex • Cable Type = Twin Zip <p>Termination Features:</p> <ul style="list-style-type: none"> • Fiber Type (Micron) = OM1 62.5/125 <p>Dimensions:</p> <ul style="list-style-type: none"> • Cable Diameter (mm [in]) = 3.00 [.118] • Length (M [ft]) = 1.00 [3.281] <p>Body Features:</p> <ul style="list-style-type: none"> • Cable Color = Orange • Boot Body Style - Left = Long • Boot Color - Left = Beige • Boot Body Style - Right = Long • Boot Color - Right = Beige • Ferrule Material = Ceramic 	<p>Contact Features:</p> <ul style="list-style-type: none"> • Fibre Channel = No <p>Configuration Features:</p> <ul style="list-style-type: none"> • Mode = Multimode • Number of Fibers = 2 • Cable Buffering = Tight Buffered • Connector(s) Exit Angle to Connector(s) Exit Angle = 180° to 180° <p>Industry Standards:</p> <ul style="list-style-type: none"> • Flammability Rating Type = OFNR (Riser) Jacket • RoHS/ELV Compliance = RoHS compliant, ELV compliant • Lead Free Solder Processes = Not relevant for lead free process • RoHS/ELV Compliance History = Always was RoHS compliant <p>Product Availability:</p> <ul style="list-style-type: none"> • Region = Asia, North America, Latin America <p>Other:</p> <ul style="list-style-type: none"> • Brand = TE Connectivity

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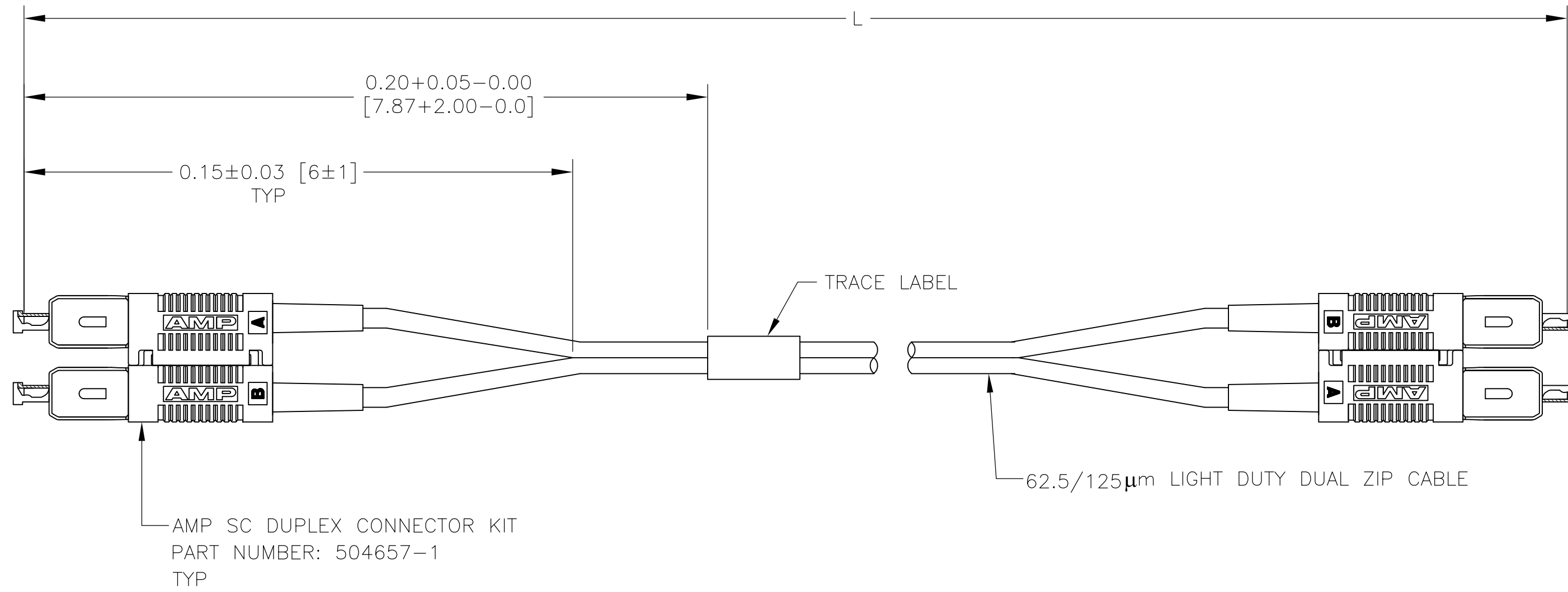
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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
CE	16	A1		REVISED PER ECO-11-005139	25MAR11	RK	HMR



0.53	25.00±0.30	[984.0±12.0]	3-5504971-5
0.56	40.00±0.40	[1575.0±16.0]	3-5504971-4
0.73	150.00±1.50	[5906.0±59.0]	3-5504971-3
0.57	45.00±0.45	[1772.0±18.0]	3-5504971-2
0.50	2.43±0.05	[96.0±2.0]	3-5504971-1
0.50	1.82±0.05	[72.0±2.0]	3-5504971-0
0.50	1.21±0.05	[48.0±2.0]	2-5504971-9
0.52	10.97±0.15	[431.8±6.0]	2-5504971-8
0.52	10.36±0.15	[407.8±6.0]	2-5504971-7
0.51	9.75±0.15	[383.8±6.0]	2-5504971-6
0.51	9.14±0.15	[359.8±6.0]	2-5504971-5
0.51	8.53±0.15	[335.8±6.0]	2-5504971-4
0.51	7.92±0.15	[311.8±6.0]	2-5504971-3
0.59	60.0±0.60	[2362±24]	2-5504971-2
0.50	0.46±0.05	[18.00±2.00]	2-5504971-1
0.51	6.0±0.08	[236±3]	2-5504971-0
0.51	6.10±0.08	[240±3]	1-5504971-9
0.50	0.61±0.03	[24±1]	1-5504971-8
0.65	100±1.0	[3937±39]	1-5504971-7
0.58	50±0.5	[1969±20]	1-5504971-6
0.52	16±0.30	[630±12]	1-5504971-5
0.52	13±0.15	[512±6]	1-5504971-4
0.52	11±0.15	[433±6]	1-5504971-3
0.51	4±0.08	[157±3]	1-5504971-2
0.51	8±0.15	[315±6]	1-5504971-1
0.51	7±0.08	[275.6±3]	1-5504971-0
0.55	30±0.3	[1181±12]	5504971-9
0.53	20±0.3	[787±12]	5504971-8
0.52	15±0.15	[591±6]	5504971-7
0.61	76±0.76	[2992±30]	5504971-6
0.52	10±0.15	[394±6]	5504971-5
0.51	5±0.08	[197±3]	5504971-4
0.50	3±0.05	[118±2]	5504971-3
0.50	2±0.05	[79±2]	5504971-2
0.50	1±0.05	[39±2]	5504971-1
MAX IL (dB) Δ_1	L		PART NUMBER

1. MAXIMUM INSERTION LOSS IS 0.5 dB PLUS CABLE ATTENUATION OF 1.5 dB/km AT 1300 nm (SEE TABLE)
2. PRODUCT AND PROCESSING MUST MEET REQUIREMENTS OF TE CONNECTIVITY STANDARD 230-702

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.S.VASU 03 JAN 06		
DIMENSIONS: METERS[INCHES]		CHK J.DUNCAN 03 JAN 06		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J.DUNCAN 03 JAN 06	NAME	
0 PLC ± -		PRODUCT SPEC	CABLE ASSEMBLY, FIBER OPTIC, 3.0 mm	
1 PLC ± -		APPLICATION SPEC	62.5/125um LDD ZIP, AMP SC DUPLEX, OPTIMATE	
2 PLC ± -		WEIGHT	SIZE	RESTRICTED TO
3 PLC ± -		FINISH	A2	-
4 PLC ± -		CUSTOMER DRAWING	CAGE CODE	DRAWING NO
ANGLES ± -		SCALE	00779	C=5504971
FINISH		SCALE	NTS	SHEET 1 OF 1
MATERIAL		REV	A1	