

## Copper Products

**3M** Innovation

item	Group	Ref.No	Description	End User 90
1	Cables	VOL-5EC4V-UGY-305	Cat5e Cable/UTP/PVC/4Pairs/305m Box	1,830,000
2		VOL-5EFP4-305	Cat5e Cable/FTP/PVC/4Pairs/305m Box	2,135,000
3		VOL-6C4V-UGY-305	Cat6 Cable/UTP/PVC/4Pairs/305m Box	2,590,000
4		VOL-6FP4-1000	Cat6 Cable/FTP/PVC/4Pairs/1000m Drum	14,000,000
5		VOL-10SFL4-1000	Cat7 Cable/SFTP/LSZH/4pairs/10G/100ohm/1000m	20,000,000
6	Cat5e Accessories	VOL-OCK5E-UB	Cat5e Keystone/UTP/ Shuttered/white	55,000
7		VOL-OCK5E-F8	Cat5e Keystone/FTP/ Shuttered/white	85,000
8		VOL-OCK5E-S8	Cat5e Keystone/STP/With metallic sheild	95,000
9		VOL-5EUP-L0.5	Cat5e Patch cord/UTP/0.5m/PVC	32,000
10		VOL-5EUP-L1	Cat5e Patch cord/UTP/1m/PVC	45,000
11		VOL-5EUP-L2	Cat5e Patch cord/UTP/2m/PVC	49,000
12		VOL-5EUP-L3	Cat5e Patch cord/UTP/3m/PVC	59,000
13		VOL-5EUP-L5	Cat5e Patch cord/UTP/5m/PVC	69,000
14		VOL-5EUL-L0.5	Cat5e Patch cord/UTP/0.5m/LSOH	35,000
15		VOL-5EUL-L1	Cat5e Patch cord/UTP/1m/LSOH	49,000
16		VOL-5EUL-L2	Cat5e Patch cord/UTP/2m/LSOH	51,000
17		VOL-5EUL-L3	Cat5e Patch cord/UTP/3m/LSOH	63,000
18		VOL-5EUL-L5	Cat5e Patch cord/UTP/5m/LSOH	75,000
19		VOL-5EFL-L0.5	Cat5e Patch cord/FTP/0.5m/LSOH	43,000
20		VOL-5EFL-L1	Cat5e Patch cord/FTP/1m/LSOH	67,000
21		VOL-5EFL-L3	Cat5e Patch cord/FTP/3m/LSOH	100,000
22	Cat6 Accessories	VOL-OCK6-UB	Cat6 Keystone/UTP/Shuttered/white	77,000
23		VOL-OCK6-U-Y	Cat6 Keystone/UTP/Shuttered/Yellow	77,000
24		VOL-OCK6-U-BL	Cat6 Keystone/UTP/Shuttered/blue	77,000
25		VOL-OCK6-F8	Cat6 Keystone/FTP/Shuttered/white	110,000
26		VOL-OCK6-S	Cat6 Keystone/STP/Shuttered	150,000
27		VOL-6UP-L0.5	Cat6 Patch Cord/UTP/0.5m/PVC	55,000
28		VOL-6UP-L1	Cat6 Patch Cord/UTP/1m/PVC	65,000
29		VOL-6UP-L2	Cat6 Patch Cord/UTP/2m/PVC	80,000
30		VOL-6UP-L3	Cat6 Patch Cord/UTP/3m/PVC	90,000
31		VOL-6UP-L5	Cat6 Patch Cord/UTP/5m/PVC	130,000
32		VOL-6UP-L10	Cat6 Patch Cord/UTP/10m/PVC	160,000
33		VOL-6UL-L0.5	Cat6 Patch Cord/UTP/0.5m/LSOH	58,000
34		VOL-6UL-L1	Cat6 Patch Cord/UTP/1m/LSOH	70,000
35		VOL-6UL-L2	Cat6 Patch Cord/UTP/2m/LSOH	85,000
36		VOL-6UL-L3	Cat6 Patch Cord/UTP/3m/LSOH	100,000
37		VOL-6UL-L4	Cat6 Patch Cord/UTP/4m/LSOH	110,000
38		VOL-6UL-L5	Cat6 Patch Cord/UTP/5m/LSOH	150,000
39		VOL-6SSL-L0.5	Cat6 Patch Cord/SSTP/0.5m/LSOH	90,000
40		VOL-6SSL-L1	Cat6 Patch Cord/SSTP/1m/LSOH	100,000
41		VOL-6SSL-L3	Cat6 Patch Cord/SSTP/3m/LSOH	130,000
42		VOL-6SSL-L5	Cat6 Patch Cord/SSTP/5m/LSOH	160,000



# Copper Cabling Solutions Copper Products

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Aria Aris Processing Co.

**3M** Innovation

item	Group	Ref.No	Description	End User 90
43	Other Copper Accessories	VOL-PPCA-F16K	Classic Patch panel/16Ports/K6/Unloaded	420,000
44		VOL-PPCA-F24K	Classic Patch panel/24Ports/K6/Unloaded	520,000
45		VOL-PPCB-F24K	Classic Patch panel/24Ports/K6/Unloaded	520,000
46		VOL-PPCB-F48K	Classic Patch panel/48Ports/K6/Unloaded	620,000
47		VOL-PP3B-25P	Cat3 Telephone Patch Panel/25 Ports/Black	1,700,000
48		VOL-FPUK-1K	UK Standard Face Plate/1Port	33,000
49		VOL-FPUK-2K	UK Standard Face Plate/2Ports	36,000
50		VOL-FP4M-F1K	Face Plate/45x45mm/1Port	39,000
51		VOL-FP4M-F2K	Face Plate/45x45mm/2Ports	42,000
52		VOL-PCC-R-G-B-Y-O	Port Cap For Keystone	5,000
53	VOL-0300	Blank Port Insert	10,000	
54	VOL-0300BK	Blank Port Insert Black	10,000	

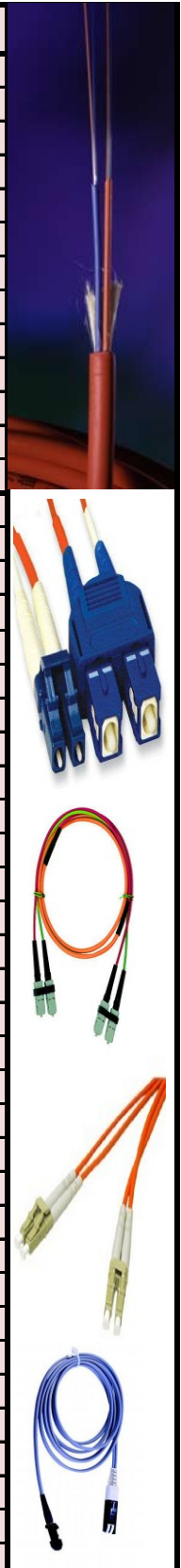




**3M Innovation**

**Fiber Optic Products**

Item	Group	Ref. No	Description	End User 90
55	Fiber Optics Cable	VOL-IO A64	F.O Cable 4Core/Indoor/Outdoor/62.5/MM/Aramid Yarn/LSOH/OM2	30,000
56		VOL-IO A54	F.O Cable 4Core/Indoor/Outdoor/50/MM/Aramid Yarn/LSOH/OM2	30,000
57		VOL-IO G54	F.O Cable 4Core/Indoor/Outdoor/50/MM/Glass Yarn/Gel Filled/LSOH	40,000
58		VOL-IO S54	F.O Cable 4Core/Indoor/Outdoor/50/MM/Steel Armored/LSOH/OM2	32,000
59		VOL-IO G94	F.O Cable 4Core/Indoor/Outdoor/9/SM/Glass Yarn/Gel Filled/LSOH	35,000
60		VOL-IO G56	F.O Cable 6Core/Indoor/Outdoor/50/MM/Glass Yarn/Gel Filled/LSOH/OM3	49,000
61		VOL-IO S56	F.O Cable 6Core/Indoor/Outdoor/50/MM/Steel Armored/LSOH/OM3	42,000
62		VOL-IO S96	F.O Cable 6Core/Indoor/Outdoor/9/SM/Steel Armored/LSOH	31,000
63		VOL-IO G512	F.O Cable 12Core/Indoor/Outdoor/50/MM/Glass Yarn/Gel Filled/LSOH/OM3	72,000
64		VOL-IO S512	F.O Cable 12Core/Indoor/Outdoor/50/MM/Steel Armored/LSOH/OM2	45,000
65	VOL-IO S912	F.O Cable 12Core/Indoor/Outdoor/9/SM/Steel Armored/LSOH	34,000	
66	VOL-IO S524	F.O Cable 24Core/Indoor/Outdoor/50/MM/Steel Armored/LSOH/OM2	63,000	
67	VOL-IO S924	F.O Cable 24Core/Indoor/Outdoor/9/SM/Steel Armored/LSOH	42,000	
68	Fiber Patch cords	BDBDU-AX0001	Patch Cord SC to LC/MM/ 50Micron/Duplex/1m	320,000
69		BDBDU-AX0002	Patch Cord SC to LC/MM/ 50Micron/Duplex/2m	340,000
70		BDBDU-AX0003	Patch Cord SC to LC/MM/ 50Micron/Duplex/3m	380,000
71		ADADV-BW0002	Patch Cord SC to LC/SM/ 9Micron/Duplex/2m	430,000
72		ADADV-BW0003	Patch Cord SC to LC/SM/ 9Micron/Duplex/3m	450,000
73		BDBDB-AX0002	Patch Cord SC to SC/MM/ 50Micron/Duplex/2m	270,000
74		BDBDB-AX0003	Patch Cord SC to SC/MM/ 50Micron/Duplex/3m	310,000
75		BDBDB-AQ0003	Patch Cord SC to SC/MM/ 62.5Micron/Duplex/3m	325,000
76		BDBDB-AQ0005	Patch Cord SC to SC/MM/ 62.5Micron/Duplex/5m	375,000
77		ADBDB-BW0002	Patch Cord SC to SC/SM/ 9Micron/Duplex/2m	310,000
78		ADBDB-BW0003	Patch Cord SC to SC/SM/ 9Micron/Duplex/3m	350,000
79		ADADA-AT0002	Patch Cord SC to SC/SM/ 9Micron/Simplex/2m	150,000
80		BDUDU-AX0001	Patch Cord LC to LC/MM/ 50Micron/Duplex/1m	370,000
81		BDUDU-AX0002	Patch Cord LC to LC/MM/ 50Micron/Duplex/2m	390,000
82		BDUDU-AX0003	Patch Cord LC to LC/MM/ 50Micron/Duplex/3m	410,000
83		BANAN-AQ0002	Patch Cord ST to ST/MM/ 62.5Micron/Duplex/2m	300,000
84		BANAN-AX0002	Patch Cord ST to ST/MM/ 50Micron/Duplex/2m	290,000
85		BANAN-AX0003	Patch Cord ST to ST/MM/ 50Micron/Duplex/3m	320,000
86		BMTAN-AX0001	Patch Cord MTRj-ST/MM/ 50Micron/Duplex/1m	275,000
87		BMTDB-AX0002	Patch Cord MTRj-SC/MM/ 50Micron/Duplex/2m	375,000
88		VOL-C5L1	Patch cord VF-45 to SC/MM/ 50Micron/1m	450,000
89		VOL-C5L2	Patch Cord VF-45 to SC/MM/ 50Micron /2m	475,000
90		VOL-C5L3	Patch Cord VF-45 to SC/MM/ 50Micron /3m	500,000
91		VOL-C6L3	Patch Cord VF-45 to SC/MM/ 62,5 Micron/3m	490,000
92		VOL-C9L/R3	Patch Cord VF-45 to SC/SM/ 9Micron/3m	500,000
93		VOL-L6L2	Patch Cord VF-45 to LC /MM/ 62.5 Micron /2m	1,150,000
94		VOL-L9L/R3	Patch Cord VF-45 to LC/SM/ 9Micron/3m	1,000,000
95		VOL-V6L2	Patch Cord VF-45 To VF-45/MM/ 62.5 Micron/2m	400,000
96		VOL-V9L/R5	Patch Cord VF-45 to VF-45/SM/ 9Micron/5m	500,000
97		VOL-M5L1.0	Patch Cord VF-45 to MT-RJ/MM/ 50Micron/1m	525,000
98	VOL-M5L2.0	Patch Cord VF-45 to MT-RJ/MM/ 50Micron/2m	575,000	
99	VOL-M5L3.0	Patch Cord VF-45 to MT-RJ/MM/ 50Micron/3m	650,000	







Make the Most of your Network

**3M Innovation**

**Fiber Optic Products**



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Aria Aris Processing Co.

Item	Group	Ref. No	Description	End User 90
100	Pigtails	BDBD00-ZK0002	Pigtail SC/50/MultiMode/2m	90,000
101		BDB00-AP0002	Pigtail SC/62.5/MultiMode/2m	90,000
102		ADA00-AU0002	Pigtail SC/9/SingleMode/2m	100,000
103		ADV00-AU0002	Pigtail SC/SM/ 9Micron/Simplex/2m	140,000
104		BDU00-ZK0002	Pigtail LC/50/MultiMode/2m	150,000
105		AEN00-AV0002	Pigtail FC/50/SingleMode/2m	110,000
106	BAN00-ZK0002	Pigtail ST/50/MultiMode/2m	100,000	
107	Connectors	6300-W	SC Hot Melt Connector/MM	100,000
108		6306-B	SC Epoxy Connector/MM	65,000
109		6900	SC Crimplock Connector/MM	120,000
110		8306	SC Epoxy Connector/SM	105,000
111		8300	SC Hot Melt Connector/SM	125,000
112		6100-W	ST Hot Melt Connector/MM	100,000
113		8100-YS	ST Hotmelt Connector/SM	130,000
114		2529	Fibrlok	120,000
115		6200	Connector FC/PC3 MM Hotmelt white boot	140,000
116		8203	Connector FC/PC SM White boot	130,000
117		VOL-0001	VF-45 Socket /MM	75,000
118	VOL-0002	VF-45 Socket /SM	100,000	
119	Ins. Kit	2559-C	Fibrlok Splice Kit With Cleaver	26,000,000
120		2559	Fibrlok Splice Kit W/O Cleaver	13,000,000
121		6361	Universal(230V) Ultra High Temp Hot Melt Kit	26,000,000
122		6955	Field Kit termultiplication, Crimplok	14,000,000
123		6955-C	Universal Crimplock Termination Kit For ST & SC	13,000,000
124	VOL-O562	VF-45 Quick Install Termination Kit	12,400,000	
125	Fiber Accessories	6313	SC Standard Duplex Coupling/ MM	75,000
126		8313	SC Standard Duplex Coupling/ SM	85,000
127		SPP3-E-6CD	Patch Panel 19 Splice Drawer Sliding 1u-empty/6 SC/Duplex	1,000,000
128		SPP3-E-1CD	Patch Panel 19 Splice Drawer Sliding 1u-empty/12 SC/Duplex	1,100,000
129		SPP3-E-2CD	Patch Panel 19 Splice Drawer Sliding 1u-empty/24 SC/Duplex	1,200,000
130		VOL-0430-ES	Fiber Patch Panel/Sliding/24 port/1u/VF-45	1,000,000
131		P33410AA	1U Black Patch Cord Management Panel	260,000
132		29026-500 30	Splice Tray	45,000
133		29026-500 31	Fiber Optic Splicing Cassette(DIN)	45,000
134		29025-503 31	Cover Packing UNIT(Lid) for DIN Splicing Cassette	26,000
135		40027-512 00	Hinge To Connect LID Cassette (2 Per LID)	5,000
136		29031-000 30	Strain Relief For 900U Buffered Fibre	15,000
137		05-760-11900	Fiber Optic Splicing Protection Holder Shrink	15,000
138		05-760-12000	Fiber Optic Heatshrink Splice Protector 60 mm FSS 1	3,000
139	05-760-08000	Holder For 12X Crime Splice	10,000	
140	2529-H	Holder For 6X FIBERLOCK 2529 Splice	82,000	
141	299000002	Gland 13.5 PG	4,000	

