

CABLING LABOR ONLY

Cabling Services (price per pull)	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Cat 5e cable - installed, terminated, tested and labeled including wall plate, jack and certification report.					
0-10 Pulls					
0-150 Feet	\$72.60	\$81.18	\$81.18	\$79.20	\$79.20
151-300 Feet	\$93.50	\$104.55	\$104.55	\$102.00	\$102.00
11-50 Pulls					
0-150 Feet	\$69.85	\$78.11	\$78.11	\$76.20	\$76.20
151-300 Feet	\$90.75	\$101.48	\$101.48	\$99.00	\$99.00
51-100 Pulls					
0-150 Feet	\$67.10	\$75.03	\$75.03	\$73.20	\$73.20
151-300 Feet	\$88.00	\$98.40	\$98.40	\$96.00	\$96.00
101-200 Pulls					
0-150 Feet	\$64.35	\$71.96	\$71.96	\$70.20	\$70.20
151-300 Feet	\$85.25	\$95.33	\$95.33	\$93.00	\$93.00
Over 200 Pulls					
0-150 Feet	\$61.60	\$68.88	\$68.88	\$67.20	\$67.20
151-300 Feet	\$82.50	\$92.25	\$92.25	\$90.00	\$90.00
Cat 6 cable - installed, terminated, tested and labeled including wall plate, jack and certification report.					
0-10 Pulls					
0-150 Feet	\$72.60	\$81.18	\$81.18	\$79.20	\$79.20
151-300 Feet	\$93.50	\$104.55	\$104.55	\$102.00	\$102.00
11-50 Pulls					
0-150 Feet	\$69.85	\$78.11	\$78.11	\$76.20	\$76.20
151-300 Feet	\$90.75	\$101.48	\$101.48	\$99.00	\$99.00
51-100 Pulls					
0-150 Feet	\$67.10	\$75.03	\$75.03	\$73.20	\$73.20
151-300 Feet	\$88.00	\$98.40	\$98.40	\$96.00	\$96.00
101-200 Pulls					
0-150 Feet	\$64.35	\$71.96	\$71.96	\$70.20	\$70.20
151-300 Feet	\$85.25	\$95.33	\$95.33	\$93.00	\$93.00
Over 200 Pulls					
0-150 Feet	\$61.60	\$68.88	\$68.88	\$67.20	\$67.20
151-300 Feet	\$82.50	\$92.25	\$92.25	\$90.00	\$90.00
Cabling Services (price per pull)					
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Cat 7 cable - installed, terminated, tested and labeled including wall plate, jack and certification report.					
0-10 Pulls					
0-150 Feet	\$93.50	\$104.55	\$104.55	\$102.00	\$102.00
151-300 Feet	\$121.55	\$135.92	\$135.92	\$132.60	\$132.60
11-50 Pulls					
0-150 Feet	\$90.75	\$101.48	\$101.48	\$99.00	\$99.00
151-300 Feet	\$118.80	\$132.84	\$132.84	\$129.60	\$129.60
51-100 Pulls					
0-150 Feet	\$88.00	\$98.40	\$98.40	\$96.00	\$96.00
151-300 Feet	\$116.05	\$129.77	\$129.77	\$126.60	\$126.60
101-200 Pulls					
0-150 Feet	\$85.25	\$95.33	\$95.33	\$93.00	\$93.00
151-300 Feet	\$113.30	\$126.69	\$126.69	\$123.60	\$123.60
Over 200 Pulls					
0-150 Feet	\$82.50	\$92.25	\$92.25	\$90.00	\$90.00
151-300 Feet	\$110.55	\$123.62	\$123.62	\$120.60	\$120.60
Fiber Optic Cable - installed, terminated, tested and labeled including wall plate, jack and certification report.					
0-10 Pulls					

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0-150 Feet	\$93.50	\$104.55	\$104.55	\$102.00	\$102.00
151-300 Feet	\$121.55	\$135.92	\$135.92	\$132.60	\$132.60
11-50 Pulls					
0-150 Feet	\$90.75	\$101.48	\$101.48	\$99.00	\$99.00
151-300 Feet	\$118.80	\$132.84	\$132.84	\$129.60	\$129.60
51-100 Pulls					
0-150 Feet	\$88.00	\$98.40	\$98.40	\$96.00	\$96.00
151-300 Feet	\$116.05	\$129.77	\$129.77	\$126.60	\$126.60
101-200 Pulls					
0-150 Feet	\$85.25	\$95.33	\$95.33	\$93.00	\$93.00
151-300 Feet	\$113.30	\$126.69	\$126.69	\$123.60	\$123.60
Over 200 Pulls					
0-150 Feet	\$82.50	\$92.25	\$92.25	\$90.00	\$90.00
151-300 Feet	\$110.55	\$123.62	\$123.62	\$120.60	\$120.60
Coax Cable for Video Distribution (CATV, CCTV (surveillance), satellite (DSS, VSAT)) - installed, terminated, tested and labeled including wall plate, jack and certification report.					
0-10 Pulls					
0-150 Feet	\$72.60	\$81.18	\$81.18	\$79.20	\$79.20
151-300 Feet	\$93.50	\$104.55	\$104.55	\$102.00	\$102.00
11-50 Pulls					
0-150 Feet	\$69.85	\$78.11	\$78.11	\$76.20	\$76.20
151-300 Feet	\$90.75	\$101.48	\$101.48	\$99.00	\$99.00
51-100 Pulls					
0-150 Feet	\$67.10	\$75.03	\$75.03	\$73.20	\$73.20
151-300 Feet	\$88.00	\$98.40	\$98.40	\$96.00	\$96.00
101-200 Pulls					
0-150 Feet	\$64.35	\$71.96	\$71.96	\$70.20	\$70.20
151-300 Feet	\$85.25	\$95.33	\$95.33	\$93.00	\$93.00
Over 200 Pulls					
0-150 Feet	\$61.60	\$68.88	\$68.88	\$67.20	\$67.20
151-300 Feet	\$82.50	\$92.25	\$92.25	\$90.00	\$90.00

CABLING LABOR AND MATERIALS

Cabling Services (price per pull)	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Cat 5e cable - installed, terminated, tested and labeled including wall plate, jack and certification report.					
0-10 Pulls					
0-150 Feet	112.41	\$126.15	\$126.15	123.07	123.07
151-300 Feet	144	\$157.49	\$157.49	154	154
11-50 Pulls					
0-150 Feet	\$109.66	\$123.07	\$123.07	\$120.07	\$120.07
151-300 Feet	\$141.03	\$154.42	\$154.42	\$150.65	\$150.65
51-100 Pulls					
0-150 Feet	\$106.91	\$120.00	\$120.00	\$117.07	\$117.07
151-300 Feet	\$138.28	\$151.34	\$151.34	\$147.65	\$147.65
101-200 Pulls					
0-150 Feet	104.16	\$116.92	\$116.92	114.07	114.07
151-300 Feet	136	\$148.27	\$148.27	145	145
Over 200 Pulls					
0-150 Feet	\$101.41	\$113.85	\$113.85	\$111.07	\$111.07
151-300 Feet	\$132.78	\$145.19	\$145.19	\$141.65	\$141.65
Cat 6 cable - installed, terminated, tested and labeled including wall plate, jack and certification report.					
0-10 Pulls					
0-150 Feet	\$129.53	\$144.83	\$144.83	\$141.30	\$141.30
151-300 Feet	\$166.14	\$185.78	\$185.78	\$181.25	\$181.25
11-50 Pulls					
0-150 Feet	\$126.78	\$141.76	\$141.76	\$138.30	\$138.30
151-300 Feet	\$163.39	\$182.71	\$182.71	\$178.25	\$178.25
51-100 Pulls					
0-150 Feet	\$124.03	\$138.68	\$138.68	\$135.30	\$135.30
151-300 Feet	\$160.64	\$179.63	\$179.63	\$175.25	\$175.25
101-200 Pulls					
0-150 Feet	\$121.28	\$135.61	\$135.61	132.30	132.30
151-300 Feet	\$157.89	\$176.56	\$176.56	172.25	172.25
Over 200 Pulls					
0-150 Feet	\$118.53	\$132.53	\$132.53	\$129.30	\$129.30
151-300 Feet	\$155.14	\$173.48	\$173.48	\$169.25	\$169.25
Cabling Services (price per pull)	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Cat 7 cable - installed, terminated, tested and labeled including wall plate, jack and certification report.					
0-10 Pulls					
0-150 Feet	\$363.59	\$406.57	\$406.57	\$396.65	\$396.65
151-300 Feet	\$476.81	\$533.15	\$533.15	\$520.15	\$520.15
11-50 Pulls					
0-150 Feet	\$360.84	\$403.49	\$403.49	\$393.65	\$393.65
151-300 Feet	\$474.06	\$530.08	\$530.08	\$517.15	\$517.15
51-100 Pulls					
0-150 Feet	\$358.09	\$400.42	\$400.42	\$390.65	\$390.65
151-300 Feet	\$471.31	\$527.00	\$527.00	\$514.15	\$514.15
101-200 Pulls					
0-150 Feet	\$355.34	\$397.34	\$397.34	\$387.65	\$387.65
151-300 Feet	\$468.56	\$523.93	\$523.93	\$511.15	\$511.15
Over 200 Pulls					
0-150 Feet	\$352.59	\$394.27	\$394.27	\$384.65	\$384.65
151-300 Feet	\$465.81	\$520.85	\$520.85	\$508.15	\$508.15

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Fiber Optic - installed, terminated, tested and labeled including wall plate, jack and certification report. CATEGORY: Single Mode						
0-10 Pulls						
0-150 Feet	\$169.51	\$189.54	\$189.54	\$184.92	\$184.92	
151-300 Feet	\$225.20	\$251.82	\$251.82	\$245.68	\$245.68	
300+ Feet	\$281.50	\$314.78	\$314.78	\$307.10	\$307.10	
11-50 Pulls						
0-150 Feet	\$166.76	\$186.47	\$186.47	\$181.92	\$181.92	
151-300 Feet	\$222.45	\$248.75	\$248.75	\$242.68	\$242.68	
300+ Feet	\$278.07	\$310.93	\$310.93	\$303.35	\$303.35	
51-100 Pulls						
0-150 Feet	\$164.01	\$183.39	\$183.39	\$178.92	\$178.92	
151-300 Feet	\$219.70	\$245.67	\$245.67	\$239.68	\$239.68	
300+ Feet	\$274.63	\$307.09	\$307.09	\$299.60	\$299.60	
101-200 Pulls						
0-150 Feet	\$161.26	\$180.32	\$180.32	\$175.92	\$175.92	
151-300 Feet	\$216.95	\$242.60	\$242.60	\$236.68	\$236.68	
300+ Feet	\$271.19	\$303.25	\$303.25	\$295.85	\$295.85	
Over 200 Pulls						
0-150 Feet	\$158.51	\$177.24	\$177.24	\$172.92	\$172.92	
151-300 Feet	\$214.20	\$239.52	\$239.52	\$233.68	\$233.68	
300+ Feet	\$267.75	\$299.40	\$299.40	\$292.10	\$292.10	
Cabling Services (price per pull)		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Fiber Optic Cable - installed, terminated, tested and labeled including wall plate, jack and certification report. CATEGORY: Multimode						
0-10 Pulls						
0-150 Feet	\$169.51	\$189.54	\$189.54	\$184.92	\$184.92	
151-300 Feet	\$225.20	\$251.82	\$251.82	\$245.68	\$245.68	
300+ Feet	\$281.50	\$314.78	\$314.78	\$307.10	\$307.10	
11-50 Pulls						
0-150 Feet	\$166.76	\$186.47	\$186.47	\$181.92	\$181.92	
151-300 Feet	\$222.45	\$248.75	\$248.75	\$242.68	\$242.68	
300+ Feet	\$278.07	\$310.93	\$310.93	\$303.35	\$303.35	
51-100 Pulls						
0-150 Feet	\$164.01	\$183.39	\$183.39	\$178.92	\$178.92	
151-300 Feet	\$219.70	\$245.67	\$245.67	\$239.68	\$239.68	
300+ Feet	\$274.63	\$307.09	\$307.09	\$299.60	\$299.60	
101-200 Pulls						
0-150 Feet	\$161.26	\$180.32	\$180.32	\$175.92	\$175.92	
151-300 Feet	\$216.95	\$242.60	\$242.60	\$236.68	\$236.68	
300+ Feet	\$271.19	\$303.25	\$303.25	\$295.85	\$295.85	
Over 200 Pulls						
0-150 Feet	\$158.51	\$177.24	\$177.24	\$172.92	\$172.92	
151-300 Feet	\$214.20	\$239.52	\$239.52	\$233.68	\$233.68	
300+ Feet	\$267.75	\$299.40	\$299.40	\$292.10	\$292.10	
Cabling Services (price per pull)		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Coax Cable for Video Distribution (CATV, CCTV (surveillance), satellite (DSS, VSAT)) - installed, terminated, tested and labeled including wall plate, jack and certification report.						
0-10 Pulls						
0-150 Feet	\$112.82	\$126.15	\$126.15	\$123.07	\$123.07	
151-300 Feet	\$140.84	\$157.49	\$157.49	\$153.65	\$153.65	
11-50 Pulls						
0-150 Feet	\$110.07	\$123.07	\$123.07	\$120.07	\$120.07	
151-300 Feet	\$138.09	\$154.42	\$154.42	\$150.65	\$150.65	
51-100 Pulls						
0-150 Feet	\$107.32	\$120.00	\$120.00	\$117.07	\$117.07	

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151-300 Feet	\$135.34	\$151.34	\$151.34	\$147.65	\$147.65
101-200 Pulls					
0-150 Feet	\$104.57	\$116.92	\$116.92	\$114.07	\$114.07
151-300 Feet	\$132.59	\$148.27	\$148.27	\$144.65	\$144.65
Over 200 Pulls					
0-150 Feet	\$101.82	\$113.85	\$113.85	\$111.07	\$111.07
151-300 Feet	\$129.84	\$145.19	\$145.19	\$141.65	\$141.65

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CABLING SERVICES						
	Service Rate Type	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Cabling Technical Support	Standard	\$ 67.50	\$ 75.45	\$ 75.45	\$ 73.61	\$ 73.61
Cabling Technical Support (Nights, weekend, holiday rate)	Non-standard	\$ 101.25	\$ 113.18	\$ 113.18	\$ 110.42	\$ 110.42
Cabling Project Manager	Standard	\$ 90.00	\$ 100.61	\$ 100.61	\$ 98.15	\$ 98.15
Cabling Systems Design	Standard	\$ 67.50	\$ 75.45	\$ 75.45	\$ 73.61	\$ 73.61
Cable Removal	Standard	\$ 30.00	\$ 33.54	\$ 33.54	\$ 32.72	\$ 32.72
Passive Optical Network Design & Configuration	Standard	\$ 110.00	\$ 122.96	\$ 122.96	\$ 119.96	\$ 119.96
Fiber Splicing and Testing	Standard	\$ 90.00	\$ 100.61	\$ 100.61	\$ 98.15	\$ 98.15
DAS Benchmark Testing	Standard	\$ 1,800.00	\$ 2,012.10	\$ 2,012.10	\$ 1,963.03	\$ 1,963.03
IBWave Design	Standard	\$ 110.00	\$ 122.96	\$ 122.96	\$ 119.96	\$ 119.96

PRODUCT

CATEGORY / DESCRIPTION	Manufacturer / Brand	Product Description	Manufacturer's Part Number	DIR Customer Discount % off MSRP
Wire management				
	Chatsworth	Cable Runway Wall to Rack Kit; 12"W x	11911-712	15.00%
	Chatsworth	Cable Runway Wall to Rack Kit; 18"W x	11911-713	15.00%
	Chatsworth	84" 2- Post Rack w/ Frame Mounting Kit	55053-703	15.00%
	Chatsworth	84" 4- Post Rack w/ Frame Mounting	50120-703	15.00%
	Panduit	Horizontal Cable Manager Front And	NCMH2	15.00%
	Panduit	Horizontal Cable Manager Front And	WMPSE	15.00%
	Panduit	6" PatchRunner Enhanced Vertical	PEV6	15.00%
	Panduit	45RU dual hinged 6" door used with	PRD6	15.00%
	Panduit	Front and rear vertical manager, 45	WMPV45E	15.00%
	Panduit	NetRunner Vertical Cable Manager,	WMPVF45E	15.00%
Patch Panels				
	Panduit	24-Port Patch Panel Supplied With Six	CPP24WBLY	15.00%
	Panduit	48-Port Patch Panel Supplied With	CPP48WBLY	15.00%
	Panduit	FAP with 6 LC Duplex OS1/OS2	FAP6WBUDLCZ	15.00%
	Panduit	FAP with 6 LC Duplex 10 Gig	FAP6WAQDLC	15.00%
	Panduit	FAP with 6 ST Simplex mm Adapters	FAP6WST	15.00%
	Panduit	FAP with 6 ST Simplex Signlemode	FAP6WSTZ	15.00%
	Panduit	Blank FAP Panel	FAPB	15.00%
Fiber Boxes				
	Corning	Closet Connector Housing (CCH), 1	CCH-01U	15.00%
	Panduit	72 Port- 18/36-F RACK-MT ENCLOSURE	FRME1U	15.00%
Patch Cords				
	Panduit	Copper Patch Cord, STP, Category 5e,	UTPCH3Y	15.00%
	Panduit	Copper Patch Cord, Category 6, Off	UTPSP3Y	15.00%
	Panduit	Copper Patch Cord, STP, Category 5e,	UTPCH5Y	15.00%
	Panduit	Copper Patch Cord, Category 6, Blue	UTPSP5BUY	15.00%
	Panduit	Copper Patch Cord, STP, Category 5e,	UTPCH7Y	15.00%
	Panduit	Copper Patch Cord, Category 6, Blue	UTPSP7BUY	15.00%
	Panduit	Copper Patch Cord, STP, Category 5e,	UTPCH10Y	15.00%
	Panduit	Copper Patch Cord, Category 6, Blue	UTPSP10BUY	15.00%
	Belden	FiberExpress Patch Cord, OM1, LC	FP1LDST003M	15.00%
	Belden	FiberExpress Patch Cord, OS2, LC	FPSLDST003M	15.00%
	Belden	FiberExpress Patch Cord, OM3, LC	FP3LDST003M	15.00%

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Wall/Face Plates and Surface Mounts				
	Panduit	Faceplate, 1 Port, Single Gang,	CFPE1WHY	15.00%
	Panduit	Faceplate, 2 Port, Single Gang,	CFPE2IWY	15.00%
	Panduit	Faceplate, 4 Port, Executive, Sloped,	CFPSE4WHY	15.00%
	Panduit	Faceplate, 6 Port, Single Gang,	CFPE6WHY	15.00%
	Panduit	Blank Module, 1 Port, White, Pack of	CMBWH-X	15.00%
	Erico	Low Voltage Mounting Plate with Screws, single-gang, eliminator	MPLS	15.00%
Connectors				
	Panduit	Mini-Com Module, Category 5e, UTP,	CJ5E88TGBU	15.00%
	Panduit	Mini-Com Module, Category 6, UTP,	CJ688TGBU	15.00%
	Panduit	ST Opticam 62.5/125 micron	FSTMC6EI	15.00%
	Panduit	ST OptiCam 9 micron Single-mode	FSTSCBU	15.00%
	Panduit	ST Opticam 50 micron MM Simplex	FSTMC5BL	15.00%
	Panduit	SC Opticam 62.5/125 micron	FSCMC6EI	15.00%
	Panduit	SC OptiCam 9 micron Single-mode	FSCSCBU	15.00%
	Panduit	SC OptiCam 10 GbE 50 micron MM	FSCMCXAQ	15.00%
	Panduit	LC Simplex Single-mode Fiber Optic	FLCSSBUY	15.00%
	Panduit	LC 50µm mm Simplex Connector Black	FLCSMC5BLY	15.00%
	Panduit	LC OptiCam 62.5µm mm Simplex	FLCSMC6BLY	15.00%
	Panduit	LC OptiCam 9µm Single-mode Simplex	FLCSSCBUY	15.00%
	Panduit	LC To Pigtail Buffer MM 10 GbE 50µ	FXB10-NM1Y	15.00%
	Panduit	LC-Pigtail Fiber Patch Cord	F9B10-NM1Y	15.00%
	Panduit	LC to Pigtail, OM4 STD, Simplex	FZB10-NM1	15.00%
	Panduit	LC-Pigtail Fiber Patch Cords mm 50µm	F5B10-NM1Y	15.00%
Additional Cabling Products				
CATEGORY / DESCRIPTION	Manufacturer / Brand	Product Description	Manufacturer's Part Number	DIR Customer Discount % off MSRP
Fiber Optical Networks	Tellabs Access	Shelf, 1134AC	81.11K-1134ACSH-R5	10.00%
Fiber Optical Networks	Tellabs Access	1134 Fan Assembly, OFA1	4115094	10.00%
Fiber Optical Networks	Tellabs Access	Bracket, 1134 (for 19" flush mount)	4125058	10.00%
Fiber Optical Networks	Tellabs Access	ESU30 Ethernet Switch Unit - 1134 system - (6 X 1G)	4115090	10.00%
Fiber Optical Networks	Tellabs Access	PWR CORD 14AWF C13 to 3 PRONG 1.8M	81.11W-PC-C13-B-R6	10.00%
Fiber Optical Networks	Tellabs Access	PWR, 1134AC, AC-DC, 48-53.5V, 2KW	81.11P-1134ACPW-R6	10.00%

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Fiber Optical Networks	3M	PLATE, 8 PORT, W/SC SM ANGLE POLISH ADAPTERS, BLACK	8408BK-CSA	10.00%
Fiber Optical Networks	3M	FIBER WALL MT UNIT, TWO TRIPLE-WIDE/6 SLOTS TOTAL, BLACK	8437BK-2HDM	10.00%
Fiber Optical Networks	3M	PLATE 6 PORT SC SM ANGLE POLISH ADAPTERS, BLACK	8406BK-CSA	10.00%
Fiber Optical Networks	3M	2 SLOT 1/1X16 SPLTTR MODULE SCA, BLACK	8442BK-116	10.00%
Fiber Optical Networks	3M	3 SLOT 1/1X32 SPLTTR MODULE SCA, BLACK	8443BK-132	10.00%
Fiber Optical Networks	3M	3 SLOT 1/1X32 SPLTTR MODULE SCA, BLACK	8443BK-132	10.00%
Fiber Optical Networks	3M	SM PATCH SCA/SCA A2 SMPLX OFNP 2.0JKT IVY 30M (98FT)	AEPEP-CXIV030	10.00%
Fiber Optical Networks	3M	SM PATCH SCA/SCA A2 SMPLX OFNP 2.0JKT IVY 60M (196FT)	AEPEP-CXIV060	10.00%
Fiber Optical Networks	3M	SM PATCH SCU/SCA A2 SMPLX OFNR 1.6JKT YEL 1M	ADAEP-ARYL001	10.00%
Fiber Optical Networks	3M	SM PATCH SCA/SCA A2 SMPLX OFNR 1.6JKT YEL 1M	AEPEP-ARYL001	10.00%
Fiber Optical Networks	3M	COPPER PATCH CAT6 RJ45 CM 24AWG STRANDED BLU 3M	C06UC-BL003	10.00%
Fiber Optical Networks	DASAN	MXK Chassis - MXK 1U, 4-PORT GPON, 8 FE/GE, -48VDC	MXK-194	15.00%
Fiber Optical Networks	DASAN	RAPTOR/MALC XP AC POWER SUPPLY, 90-264 VAC, 48 VDC, 3.12A, 150W, 0-50C, SEE P/N 400- 00508-01	XP-AC-SUPPLY	15.00%
Fiber Optical Networks	DASAN	GPON SFP B+ OPTICS, SUPPORTS DIGITAL RSSI; USES SC/UPC CONNECTOR	MXK-GPON-SFP-B+-RSSI	15.00%
Fiber Optical Networks	DASAN	GPON ONT, INDOOR, DESKTOP, 4 GE W/POE, 80W UNGROUNDED PS WITH NA (NEMA 5-15) AC PLUG (BUY)	ZNID-GPON-2804D-NA	15.00%
Fiber Optical Networks	DASAN	GPON ONT, INDOOR, WALLPLATE, 4 GE W/POE, AC POWERED (BUY)	ZNID-GPON-2804P-WAC	15.00%
Fiber Optical Networks	DASAN	DOCK FOR LI-ION BBU AND ZNID-26XX ONT	ZNID-ENCL-26XX-DOCK	15.00%

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Fiber Optical Networks	DASAN	CRADLE FOR LI-ION BBU AND ZNID-26XX ONT	ZNID-ENCL-26XX-CRADLE	15.00%
Fiber Optical Networks	DASAN	FIBER TRAY ATTACHES TO ZNID-24XX SERIES FOR GPON & GE ONT	ZNID-24XX-FIBERTRAY	15.00%
Fiber Optical Networks	DASAN	ZMS VRTL APPLIANCE 5000 LICENSE	ZMS-VA-5000	15.00%
Wireless	Aruba	Aruba AP-228 Indoor Hardened Access Point- 802.11ac, 3x3:3, dual radio, 6 x RPSMA connectors	AP-228	10.00%
Additional Parts & Spare Parts	Nokia	FX-16 DRIP TRAY	3FE68295AA	20.00%
Additional Parts & Spare Parts	Nokia	KIT-FX-4 ANSI VERT	3FE67299BA	20.00%
Additional Parts & Spare Parts	Nokia	KIT-FX-8 ANSI VERT	3FE67300BA	20.00%
Additional Parts & Spare Parts	Nokia	FX-16 BAFFLE KIT	3FE68285AA	20.00%
Additional Parts & Spare Parts	Nokia	RACK EQUIPMENT_584.2mm(23In)W/Spcl Gnd	1AD014120044	20.00%
Additional Parts & Spare Parts	Nokia	KIT-FX-8 ANSI HORIZ	3FE67300AA	20.00%
Additional Parts & Spare Parts	Nokia	KIT-FX-4 ANSI HORIZ	3FE67299AA	20.00%
Additional Parts & Spare Parts	Nokia	NGFC-G FX-4 GFC ANSI	3FE65676AA	20.00%
Additional Parts & Spare Parts	Nokia	NGFC-H FX-8 GFC ANSI	3FE65675AA	20.00%
Additional Parts & Spare Parts	Nokia	FX Dust filter for 4-slot shelf	3FE64928EA	20.00%
Additional Parts & Spare Parts	Nokia	FX Dust filter for 8-slot shelf	3FE64928DA	20.00%
Additional Parts & Spare Parts	Nokia	FX Dust filter for 16-slot shelf	3FE67952AA	20.00%
Additional Parts & Spare Parts	Nokia	4GB Compact Flash Card (Empty)	1AB147830065	20.00%
Additional Parts & Spare Parts	Nokia	BFAN-X FX Intell. Fan excl. filter, FX-4	3FE66544AA	20.00%
Additional Parts & Spare Parts	Nokia	BFAN-E FX Intell. Fan excl. filter, FX-8	3FE66545AA	20.00%
Additional Parts & Spare Parts	Nokia	BFAN-H FX Intell Fan incl filter, FX-16	3FE66546AA	20.00%
Additional Parts & Spare Parts	Nokia	7360 FX-16 Fiber Routing Kit	3FE61087FA	20.00%
Additional Parts & Spare Parts	Nokia	Wall mount bracket for G-010G-A	3FE56393AC	20.00%
Additional Parts & Spare Parts	Nokia	I-24XG-B Outdoor Enclosure	3FE54221AH	20.00%
Additional Parts & Spare Parts	Nokia	CABLE ASSY ROUND 2.38m IEC320 C5 3 NEMA	1AB383340010	20.00%
Additional Parts & Spare Parts	Nokia	8ft Molex DC Pwr Cable for Delta UPS	3EM24378AA	20.00%
Additional Parts & Spare Parts	Nokia	Batteries (Installation) 7.8Ah 12V UPS B	1AF17581ACAA	20.00%
Additional Parts & Spare Parts	Nokia	Batteries (Installation) 16.8Ah 12V UPS	1AF17581ABAA	20.00%

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Additional Parts & Spare Parts	Nokia	DUPS-1232A non-grnd UPS	3EM23134AB	20.00%
Additional Parts & Spare Parts	Nokia	UPS - CSN27U12V	3MV00433AA	20.00%
Additional Parts & Spare Parts	Nokia	UPS CSN27U12V3-G	3MV00500AA	20.00%
Additional Parts & Spare Parts	Nokia	CSN27 Floating Grnd UPS	3MV00535AA	20.00%
Additional Parts & Spare Parts	Nokia	DMDU-4850R UPS	3EM23372AA	20.00%
Additional Parts & Spare Parts	Nokia	DC Power Plant 48V 0A_FFTx UPS With Bat	1AF30360AAAA	20.00%
Additional Parts & Spare Parts	Nokia	CABLE ASSY ROUND 2.5m-IEC320 C13x3-NEMA	1AB076760073	20.00%
Additional Parts & Spare Parts	Nokia	POWER SUPPLY_STANDARD_AC/DC_UNIV ACIN	1AF01226ASAB	20.00%
Additional Parts & Spare Parts	Nokia	25ft Molex DC Pwr Cable for Delta UPS	3EM24378AB	20.00%
Additional Parts & Spare Parts	Nokia	Outdoor ONT to UPS Cable 7.5m	3EM18276AD	20.00%
Cable	Nokia	USB Craft Cable for SX-12VP	3FE73081AA	20.00%
Cable	Nokia	7362/7367 AC Power Cable, metal shld(3m)	3FE72088AA	20.00%
Cable	Nokia	AC Power Cable (ANSI plug) (3m)	3FE73552AA	20.00%
Cable	Nokia	GPON Cable CA-SX-16F GPON 2m	3FE72086AB	20.00%
Cable	Nokia	CA-SX-16F Alarms	3FE72090AA	20.00%
Cable	Nokia	VSRM-A Ethernet 10ft 2 x SMF LC/PC OSP	3FE69366AA	20.00%
Cable	Nokia	GPON Cable 10ft 1 x SMF SC/APC OSP	3FE69367AA	20.00%
Cable	Nokia	CA-SX-16F Ethernet 3m	3FE72085AA	20.00%
Cable	Nokia	VSRM-A SOOW Pwr 10ft AC/DC Pwr 3x14AWG	3FE69368AA	20.00%
Cable	Nokia	CA-SX-16F Ntwk Pwr 60cm	3FE72089AB	20.00%
Cable	Nokia	VSRM-A Alarms 10ft 6-Pair OSP w/ Heyco	3FE69371AA	20.00%
Cable	Nokia	7362/7367 AC Power Cable (3m)	3FE72087AA	20.00%
Cable	Nokia	Service fiber cables,8xLC.SA(100ft/30m)	3FE74482JA	20.00%
Cable	Nokia	Service Cable 8xLC+8xLC, RA (100ft/30m)	3FE74483JA	20.00%
Cable	Nokia	DC Power Cable (3m)	3FE72993DA	20.00%
Cable	Nokia	Service Cable 4xSC+8xLC, RA (100ft/30m)	3FE74481JA	20.00%

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Cable	Nokia	Service Cable 4xSC+8xLC, SA (100ft/30m)	3FE74318JA	20.00%
CFP4	Nokia	100G BASE-SR4 CFP4 C-temp 850nm MMF 100m	3FE71994AA	20.00%
CFP4	Nokia	100G BASE-LR4 CFP4 C-temp SMF 10km	3FE71782AA	20.00%
COI	Nokia	XGS DR XFP N2 (C-temp) and PerPort RTU	3HG01418AA	20.00%
COI	Nokia	7362 DF-16GW 10GE Uplink Per Port RTU	3MV00740AAAA	20.00%
COI	Nokia	7362 10GE Uplink Per Port RTU	3MV00741AAAA	20.00%
COI	Nokia	7362DF-16GW AC Powered w/1XGS Optic, RTU	3HG01337AA	20.00%
COI	Nokia	7362DF-16GW DC Powered w/1XGS Optic, RTU	3HG01338AA	20.00%
COI	Nokia	7362DF-16GW AC Powered w/4(GPON,Opt,RTU)	3HG01345AA	20.00%
COI	Nokia	7362DF-16GW DC Powered w/4(GPON,Opt,RTU)	3HG01346AA	20.00%
COI	Nokia	10GE 80km Uplink Optic and RTU Bundle	3HG01420AA	20.00%
COI	Nokia	XGS DR XFP N1 (C-temp) and PerPort RTU	3HG01341AA	20.00%
COI	Nokia	10GE 40km Uplink Optic and RTU Bundle	3HG01419AA	20.00%
COI	Nokia	10GE Uplink Optic and PerPort RTU Bundle	3HG01340AA	20.00%
COI	Nokia	1-Dual GPON XFPOLT(I-TEMP)2-PERPORT RTU	3HG01344AA	20.00%
COI	Nokia	Red FX-4 Starter Kit FANT-G NoOptics H	3HG01527HM	20.00%
COI	Nokia	Red FX-4 Starter Kit FANT-G NoOptics V	3HG01527VM	20.00%
COI	Nokia	Simp FX-4 Str Kit FANT-F wFGLT-B	3HG01243AA	20.00%
COI	Nokia	Red FX-4 Str Kit 2FANT-G wFGLT-B NoOp H	3HG01376AD	20.00%
COI	Nokia	Red FX-4 Str Kit 2FANT-G wFGLT-B NoOp V	3HG01376AE	20.00%
COI	Nokia	Red FX-4 STR Kit 2FANT- G w8P XGS NoOp V	3HG01397AD	20.00%

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COI	Nokia	Red FX-4 STR Kit 2FANT- G w8P XGS NoOp H	3HG01397AE	20.00%
COI	Nokia	Simp FX-4 Str Kit FANT-G wFGLT-B NoOp H	3HG01533HM	20.00%
COI	Nokia	Simp FX-4 Str Kit FANT-G wFGLT-B NoOp V	3HG01533VM	20.00%
COI	Nokia	Redundant FX-4 Starter Kit w/ 16-PON LT	3HG01246AA	20.00%
COI	Nokia	Redun FX-16/FANT-F Starter Kit 16- PON LT	3HG01263AA	20.00%
COI	Nokia	Redundant FX-4 Starter Kit w/ 16-PON LTV	3HG01376AA	20.00%
COI	Nokia	Redundant FX-4 Starter Kit w/ 16-PON LTH	3HG01376AC	20.00%
COI	Nokia	Redun FX-16/FANT-G Starter Kit 16- PON LT	3HG01393AA	20.00%
COI	Nokia	Redundant FX-4 Starter Kit w/ 8-XGS LTV	3HG01397AA	20.00%
COI	Nokia	Redundant FX-4 Starter Kit w/ 8-XGS LTH	3HG01397AC	20.00%
COI	Nokia	Redun FX-16/FANT-G Starter Kit 8-XGS LT	3HG01398AA	20.00%
COI	Nokia	Red FX-8 Str Kit 2FANT-G wFGLT-B NoOp H	3HG01392AD	20.00%
COI	Nokia	Red FX-8 Str Kit 2FANT-G wFGLT-B NoOp V	3HG01392AE	20.00%
COI	Nokia	Red FX-8 STR Kit FANT- G w8P XGS NoOp H	3HG01512HA	20.00%
COI	Nokia	Red FX-8 STR Kit FANT- G w8P XGS NoOp V	3HG01512VA	20.00%
COI	Nokia	Red FX-8 Starter Kit FANT-G NoOptics H	3HG01528HM	20.00%
COI	Nokia	Red FX-8 Starter Kit FANT-G NoOptics V	3HG01528VM	20.00%
COI	Nokia	Redund FX-8/FANT-F Starter Kit 16- PON LT	3HG01262AA	20.00%
COI	Nokia	Redundant FX-8 Starter Kit w/ 8-XGS LT	3HG01358AB	20.00%
COI	Nokia	Redund FX-8/FANT-G Starter Kit 16- PON LT	3HG01392AA	20.00%

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COI	Nokia	Red FX16 Str Kit FANTG wFGLT-B NoOp V	3HG01393AC	20.00%
COI	Nokia	Red FX-16 STR Kit FANT- G w8P XGS NoOp V	3HG01513AA	20.00%
COI	Nokia	7362 SF-8GW AC w/ 1-Dual GPON Opt/2 RTUs	3HG01378AA	20.00%
COI	Nokia	7362 SF-8GW Coax w/1-Dual GPON Opt/2 RTU	3HG01378AC	20.00%
COI	Nokia	7362 SF-8GW AC w/ 1-Dual XGS Opt/2 RTUs	3HG01379AA	20.00%
COI	Nokia	7362 SF-8GW Coax w/1-XGS-PON Opt/1 RTU	3HG01379AC	20.00%
C-SFP	Nokia	100/1000Base-BX20-D DR C-SFP	3FE69491AA	20.00%
C-SFP	Nokia	1000Base-BX10-D C-SFP	3FE65106AA	20.00%
EMS	Nokia	A5520 AMS 5529 Apps St Syst RTU per Sub	3AP38517CAAA	20.00%
EMS	Nokia	5520/5529 AMS Starter Kit Bundle	3AP38518AAAA	20.00%
EMS	Nokia	A5520 AMS - RTU Operator Position	3FE31060AA	20.00%
EMS	Nokia	A5520 AMS - RTU External TL1 GW	3FE31180AA	20.00%
EMS	Nokia	5571 PCC RTU One time Upgrade Enterprise	3FE31189EA	20.00%
EMS	Nokia	5571 PCC-RTU Base SW NAR	3MV00656AAAA	20.00%
Line Cards	Nokia	FPXT-B 8p 10G EPON LT	3FE68788AB	20.00%
Line Cards	Nokia	FGLT-B 16p GPON LT	3FE68954AB	20.00%
Line Cards	Nokia	FWLT-B 8port U-NGPON LT (2x40G BP)	3FE72955AA	20.00%
Line Cards	Nokia	NPOT-C 48-Port Voice LT	3FE65455BA	20.00%
Line Cards	Nokia	NELT-B 36-Port P2P Ethernet LT	3FE62543AA	20.00%
Line Cards	Nokia	CFXR-A 7362 DF-16GW with AC power	3FE45632AA	20.00%
Line Cards	Nokia	CFXR-A 7362 DF-16GW with DC power	3FE45632BA	20.00%
Line Cards	Nokia	7362 ISAM SF-8GW AC power w Coax Cable	3FE73517AA	20.00%
Line Cards	Nokia	7362 ISAM SF-8GW AC power w SOOW Cable	3FE73517BA	20.00%
Line Cards Software Application Fees	Nokia	7360 L3 PER PORT FEE - Layer 3 RTU	3MV00468AAAA	20.00%
MDF Cables	Nokia	SX-16F INDOOR DROP CABLE 3M	3FE73371AA	20.00%

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MDF Cables	Nokia	VSRM-A VDSL 710 10ft 50-pair Cable	3FE69365AA	20.00%
MDF Cables	Nokia	VSRM-A VDSL MS2 10ft 50-Pair Cable	3FE69364AA	20.00%
MDF Cables	Nokia	SX-48V VDSL CABLE 50FT, UNTERM	3FE73309AA	20.00%
Network Termination Card Additional Part	Nokia	FNIO-A FX NTIO card 8-port 10G	3FE65586BA	20.00%
Network Termination Cards	Nokia	FANT-G 7360 FX 1280Gbps NT w/ clock ANSI	3FE71256BA	20.00%
Network Termination Cards	Nokia	FANT-F 7360 FX 480Gbps NT w/ clock ANSI	3FE53701BD	20.00%
Network Termination Cards	Nokia	NDPS-B Vect Proc Card (384 lines)	3FE67437AA	20.00%
OLT	Nokia	Dual GPON XFP OLT (I-temp) Class B+	3FE56402AC	20.00%
OLT	Nokia	Dual GPON XFP OLT (I-temp) Class C+	3FE56402BC	20.00%
OLT	Nokia	Dual GPON XFP OLT (C-temp) Class C+	3FE56402BA	20.00%
ONT	Nokia	F-010G-B G.fast/Vplus/VDSL2 CPE(US plug)	3FE45667AA	20.00%
ONT	Nokia	G-881G-B 8P,8GE,RF,Indoor	3FE56074AB	20.00%
ONT	Nokia	G-881G-A 8P,8GE,RF,Outdoor	3FE56074AA	20.00%
ONT	Nokia	C-040P-P	3FE47274AA	20.00%
ONT	Nokia	C-040P-Q	3FE47275AA	20.00%
ONT	Nokia	O-E010S-P DPoE SFP ONU Indoor	3FE65373DA	20.00%
ONT	Nokia	KIT-E-240G-B	3FE46260AA	20.00%
ONT	Nokia	G-040P-Q Indoor Installation Bracket	3FE48105AA	20.00%
ONT	Nokia	Outdoor enclosure for XS-250X-A	3FE47391BA	20.00%
ONT	Nokia	F-010G-C (US plug)	3FE46007AA	20.00%
ONT	Nokia	G-010G-A (US plug)	3FE56089AA	20.00%
ONT	Nokia	G-010P-A ONT Only	3FE46431AA	20.00%
ONT	Nokia	G-010S-A ONT	3FE46541AA	20.00%
ONT	Nokia	G-010S-B	3FE46955AA	20.00%
ONT	Nokia	G-040P-Q PoE ONT Kit (US Plug)	3FE56863AC	20.00%
ONT	Nokia	G-240G-A ONT Only	3FE55691AA	20.00%
ONT	Nokia	G-240G-A H AC/DC (US plug)	3FE55868AA	20.00%
ONT	Nokia	G-241G-A ONT	3FE47068AA	20.00%
ONT	Nokia	G-440G-A	3FE55423AA	20.00%
ONT	Nokia	G-440G-A (US-plug)	3FE55508AA	20.00%
ONT	Nokia	U-00160CP-P,POL	3FE47277AA	20.00%

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ONT	Nokia	U-050X-A (US plug)	3FE47451AA	20.00%
ONT	Nokia	U-050X-A ONT only (XGSPON/XGPON1)	3FE47474AA	20.00%
ONT	Nokia	U-090CP-P	3FE47273AA	20.00%
ONT	Nokia	XE-040G-A Kit	3FE55742AA	20.00%
ONT	Nokia	XS-020X-A (US plug) (cable management)	3FE48958AB	20.00%
ONT	Nokia	XS-020X-A (US plug)	3FE48958AA	20.00%
ONT	Nokia	XS-240W-A Kit (US plug)	3FE48626AA	20.00%
ONT	Nokia	XS-250WX-A (US plug)	3FE48439AA	20.00%
ONT	Nokia	XS-250X-A (US plug)	3FE48118AA	20.00%
PS	Nokia	Cyber DTC36	3MV00555AA	20.00%
PS	Nokia	US Plug in, 2Pin Desktop, 54V, 1A, Molex Int	3FE47145AA	20.00%
Service	Nokia	SSP - EMS (55XX/73XX) per line	301049607	20.00%
SFP	Nokia	1000Base-EX SFP SM 1310nm 40km 18dB	3FE25775AA	20.00%
SFP	Nokia	1000Base-ZX SFP SM 1550NM 80KM 24DB	3FE25776AA	20.00%
SFP	Nokia	1000Base-SX SFP MM 850NM 550M 7DB	3FE25773AA	20.00%
SFP	Nokia	1000Base-LX SFP SM 1310nm 10km 11dB	3FE25774AA	20.00%
SFP	Nokia	GPON SFP B+ (C-temp) OLT	3FE53441AA	20.00%
SFP	Nokia	GPON SFP C+ (I-temp) OLT	3FE53441BC	20.00%
SFP	Nokia	GPON SFP B+ (I-temp) OLT	3FE53441AC	20.00%
SFP	Nokia	GPON SFP C+ (C-temp) OLT	3FE53441BA	20.00%
SFP	Nokia	GPON SFP C++ (I-temp) OLT 34dB	3FE53441FC	20.00%
SFP	Nokia	1000Base-T RJ45 SFP Electrical	3FE64927AA	20.00%
SFP	Nokia	GPON B+ SFP optics module w. SC/APC	3FE46899AA	20.00%
SFP	Nokia	SFP GPON SC/UPC uplink wo integrGPON MAC	3FE68653AA	20.00%
SFP+	Nokia	10GBASE-ER CWDM SFP+ -40 to +85C 1471nm	3FE68890AA	20.00%
SFP+	Nokia	10GBASE-ER CWDM SFP+ -40 to +85C 1491nm	3FE68890AB	20.00%
SFP+	Nokia	10GBASE-ER CWDM SFP+ -40 to +85C 1511nm	3FE68890AC	20.00%

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SFP+	Nokia	10GBASE-ER CWDM SFP+ -40 to +85C 1531nm	3FE68890AD	20.00%
SFP+	Nokia	10GBASE-ER CWDM SFP+ -40 to +85C 1551nm	3FE68890AE	20.00%
SFP+	Nokia	10GBASE-ER CWDM SFP+ -40 to +85C 1571nm	3FE68890AF	20.00%
SFP+	Nokia	10GBASE-ER CWDM SFP+ -40 to +85C 1591nm	3FE68890AG	20.00%
SFP+	Nokia	10GBASE-ER CWDM SFP+ -40 to +85C 1611nm	3FE68890AH	20.00%
SFP+	Nokia	10GBase-LR SFP+ 10KM	3FE62600AA	20.00%
SFP+	Nokia	10GBase-ER SFP+ 40km	3FE65831AA	20.00%
SFP+	Nokia	10GBase-SR SFP+ 300M	3FE63264AA	20.00%
SFP+	Nokia	10GBase-ZR SFP+ 80km 10Gbps I-temp	3FE65832AA	20.00%
SFP+	Nokia	10GBase-LR SFP+ 10km -5C to +70C, 1310nm	3FE62600DA	20.00%
SFP+	Nokia	XGS Optics Module	3FE46901AA	20.00%
Subrack Additional Part	Nokia	CABLE GLAND KIT for ANSI SX-48V	3FE69418AA	20.00%
Subrack Additional Part	Nokia	ANSI FX-8 FIBER ROUTING	3FE61087EB	20.00%
Subrack Additional Part	Nokia	ANSI FX-4 FIBER ROUTING	3FE61087DB	20.00%
Subrack Additional Part	Nokia	Filler FX 25mm with pre-cabling lot	3FE65005AA	20.00%
Subrack Additional Part	Nokia	Filler FX 30mm for NT-B position	3FE65651AA	20.00%
Subrack Additional Part	Nokia	Filler FX 25mm without pre-cabling lot	3FE65651BA	20.00%
Subrack Additional Part	Nokia	Filler MA-Filler Parking Panel	3FE69465AA	20.00%
Subrack Additional Part	Nokia	19inch Rack Mounting Kit	3FE72995AA	20.00%
Subrack Additional Part	Nokia	23inch Rack Mounting Kit	3FE72996AA	20.00%
Subrack Additional Part	Nokia	Dust Filter	3FE72997AA	20.00%
Subrack Additional Part	Nokia	CFAN-A 7362 DF-16GW Fan Unit	3FE45999AA	20.00%
Subrack Additional Part	Nokia	12p LTA for SX-12VP - 710	3FE69832DA	20.00%
Subrack Additional Part	Nokia	7367 SX-12VP Brckt Kit CAD12 wo diplexer	3FE69832AB	20.00%
Subrack Additional Part	Nokia	7367 SX-12VP Brckt Kit M300 ped wo dipl	3FE69832CB	20.00%
Subrack Additional Part	Nokia	16p LTA for SX-16F - 710	3FE69832DB	20.00%
Subrack Additional Part	Nokia	7367 SX-16F Gland Kit	3FE72091AA	20.00%
Subrack Additional Part	Nokia	7367 ISAM SX-48V Pole/Wall Mount Bracket	3FE69372AA	20.00%

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Subrack Additional Part	Nokia	7367 ISAM SX-16F Wall / Pole mount	3FE72785AA	20.00%
Subrack Additional Part	Nokia	7362 ISAM SF-8GW AC-powered GDT+Fuse kit	3FE74945BA	20.00%
Subrack Additional Part	Nokia	7362 ISAM SF-8GW Coax-powered GDT+Fuse k	3FE74945AA	20.00%
Subrack Additional Part	Nokia	7362 ISAM SF-8GW AC power module	3FE74525BA	20.00%
Subrack Additional Part	Nokia	7362 ISAM SF-8GW Coax power module	3FE74525AA	20.00%
Subrack Additional Part	Nokia	7362 ISAM SF-8GW IP67 gland plug	3FE74790AA	20.00%
Subrack Additional Part	Nokia	7362 ISAM SF-8GW Wall/Pole Mounting Kit	3FE74947AA	20.00%
Subrack Additional Part	Nokia	7362 ISAM SF-8GW Strand Mounting Kit	3FE74946AA	20.00%
Subracks	Nokia	NFXS-E FX-4 shelf w/ BFAN-X	3FE64991BB	20.00%
Subracks	Nokia	NFXS-E FX-8 shelf w/ BFAN-E	3FE64936BB	20.00%
Subracks	Nokia	NFXS-D FX-16 shelf w/o Fan	3FE65209BA	20.00%
Subracks	Nokia	MNTS-A KIT	3FE45042AA	20.00%
Subracks	Nokia	CFAS-D 7367 SX-16F with triple power	3FE71491AE	20.00%
Subracks	Nokia	VSRM-A 7367 SX-48V Triple Input Variant	3FE68617AB	20.00%
Subracks	Nokia	VSRM-B 7367 SX-48U with AC/DC/RFT power	3FE74988AA	20.00%
Subracks	Nokia	CFES-B 7367 SX-16F with triple power	3FE71491BE	20.00%
XFP	Nokia	10/10G-EPON PR30 OLT XFP, I-temp	3FE66606BD	20.00%
XFP	Nokia	XGS DR XFP N1 (C-temp) OLT	3FE46232AA	20.00%
XFP	Nokia	XGS DR XFP N1 (I-temp) OLT	3FE46232AC	20.00%
XFP	Nokia	XGS DR XFP N2 (C-temp) OLT	3FE46232BA	20.00%
Additional Parts & Spare Parts	Nokia	KIT-FX-8 ANSI VERT	3FE67300BA	20.00%
Additional Parts & Spare Parts	Nokia	KIT-FX-8 ANSI HORIZ	3FE67300AA	20.00%
Additional Parts & Spare Parts	Nokia	KIT-FX-4 ANSI VERT	3FE67299BA	20.00%
Additional Parts & Spare Parts	Nokia	KIT-FX-4 ANSI HORIZ	3FE67299AA	20.00%
Additional Parts & Spare Parts	Nokia	BFAN-H FX Intell Fan incl filter, FX-16	3FE66546AA	20.00%
Additional Parts & Spare Parts	Nokia	BFAN-E FX Intell. Fan excl. filter, FX-8	3FE66545AA	20.00%
Additional Parts & Spare Parts	Nokia	BFAN-X FX Intell. Fan excl. filter, FX-4	3FE66544AA	20.00%
Additional Parts & Spare Parts	Nokia	FX-16 BAFFLE KIT	3FE68285AA	20.00%

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Additional Parts & Spare Parts	Nokia	FX Dust filter for 4-slot shelf	3FE64928EA	20.00%
Additional Parts & Spare Parts	Nokia	FX Dust filter for 8-slot shelf	3FE64928DA	20.00%
Additional Parts & Spare Parts	Nokia	CSN27 Floating Grnd UPS	3MV00535AA	20.00%
Additional Parts & Spare Parts	Nokia	UPS CSN27U12V3-G	3MV00500AA	20.00%
Additional Parts & Spare Parts	Nokia	UPS - CSN27U12V	3MV00433AA	20.00%
Additional Parts & Spare Parts	Nokia	FX-16 DRIP TRAY	3FE68295AA	20.00%
Additional Parts & Spare Parts	Nokia	FX Dust filter for 16-slot shelf	3FE67952AA	20.00%
Additional Parts & Spare Parts	Nokia	8ft Molex DC Pwr Cable for Delta UPS	3EM24378AA	20.00%
Additional Parts & Spare Parts	Nokia	DMDU-4850R UPS	3EM23372AA	20.00%
Additional Parts & Spare Parts	Nokia	DUPS-1232A non-grnd UPS	3EM23134AB	20.00%
Additional Parts & Spare Parts	Nokia	B	1AF17581ACAA	20.00%
Additional Parts & Spare Parts	Nokia	Batteries (Installation) 16.8Ah 12V UPS	1AF17581ABAA	20.00%
Additional Parts & Spare Parts	Nokia	SUPPLY_STANDARD_AC/DC_UNIV	1AF01226ASAB	20.00%
Additional Parts & Spare Parts	Nokia	3_NEMA	1AB383340010	20.00%
Additional Parts & Spare Parts	Nokia	C13x3-NEMA	1AB076760073	20.00%
Additional Parts & Spare Parts	Nokia	7360 FX-16 Fiber Routing Kit	3FE61087FA	20.00%
Additional Parts & Spare Parts	Nokia	Wall mount bracket for G-010G-A	3FE56393AC	20.00%
Additional Parts & Spare Parts	Nokia	EQUIPMENT_584.2mm(23In)W/Spcl	1AD014120044	20.00%
Additional Parts & Spare Parts	Nokia	4GB Compact Flash Card (Empty)	1AB147830065	20.00%
Additional Parts & Spare Parts	Nokia	25ft Molex DC Pwr Cable for Delta UPS	3EM24378AB	20.00%
Additional Parts & Spare Parts	Nokia	Outdoor ONT to UPS Cable 7.5m	3EM18276AD	20.00%
Additional Parts & Spare Parts	Nokia	Bat	1AF30360AAAA	20.00%
Additional Parts & Spare Parts	Nokia	I-24XG-B Outdoor Enclosure	3FE54221AH	20.00%
Cable	Nokia	AC Power Cable (ANSI plug) (3m)	3FE73552AA	20.00%
Cable	Nokia	USB Craft Cable for SX-12VP	3FE73081AA	20.00%
Cable	Nokia	DC Power Cable (3m)	3FE72993DA	20.00%
Cable	Nokia	CA-SX-16F Alarms	3FE72090AA	20.00%
Cable	Nokia	CA-SX-16F Ntwk Pwr 60cm	3FE72089AB	20.00%
Cable	Nokia	7362/7367 AC Power Cable (3m)	3FE72087AA	20.00%
Cable	Nokia	GPON Cable CA-SX-16F GPON 2m	3FE72086AB	20.00%
Cable	Nokia	CA-SX-16F Ethernet 3m	3FE72085AA	20.00%
Cable	Nokia	shld(3m)	3FE72088AA	20.00%
Cable	Nokia	Heyco	3FE69371AA	20.00%
Cable	Nokia	3x14AWG	3FE69368AA	20.00%

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Cable	Nokia	GPON Cable 10ft 1 x SMF SC/APC OSP	3FE69367AA	20.00%
Cable	Nokia	OSP	3FE69366AA	20.00%
Cable	Nokia	cables,8xLC.SA(100ft/30m)	3FE74482JA	20.00%
Cable	Nokia	(100ft/30m)	3FE74481JA	20.00%
Cable	Nokia	(100ft/30m)	3FE74318JA	20.00%
Cable	Nokia	(100ft/30m)	3FE74483JA	20.00%
CFP4	Nokia	MMF 100m	3FE71994AA	20.00%
CFP4	Nokia	10km	3FE71782AA	20.00%
COI	Nokia	7362 10GE Uplink Per Port RTU	3MV00741AAAA	20.00%
COI	Nokia	RTU	3MV00740AAAA	20.00%
COI	Nokia	Opt/1 RTU	3HG01379AC	20.00%
COI	Nokia	Opt/2 RTU	3HG01378AC	20.00%
COI	Nokia	RTUs	3HG01379AA	20.00%
COI	Nokia	Opt/2 RTUs	3HG01378AA	20.00%
COI	Nokia	Optic, RTU	3HG01338AA	20.00%
COI	Nokia	RTU	3HG01341AA	20.00%
COI	Nokia	Optic, RTU	3HG01337AA	20.00%
COI	Nokia	w/4(GPON,Opt,RTU)	3HG01346AA	20.00%
COI	Nokia	PERPORT RTU	3HG01344AA	20.00%
COI	Nokia	Bundle	3HG01340AA	20.00%
COI	Nokia	w/4(GPON,Opt,RTU)	3HG01345AA	20.00%
COI	Nokia	PON LT	3HG01263AA	20.00%
COI	Nokia	PON LT	3HG01262AA	20.00%
COI	Nokia	LT	3HG01246AA	20.00%
COI	Nokia	Simp FX-4 Str Kit FANT-F wFGLT-B	3HG01243AA	20.00%
COI	Nokia	NoOp V	3HG01533VM	20.00%
COI	Nokia	NoOp H	3HG01533HM	20.00%
COI	Nokia	V	3HG01528VM	20.00%
COI	Nokia	H	3HG01528HM	20.00%
COI	Nokia	V	3HG01527VM	20.00%
COI	Nokia	H	3HG01527HM	20.00%
COI	Nokia	NoOp H	3HG01397AE	20.00%
COI	Nokia	NoOp V	3HG01513AA	20.00%
COI	Nokia	NoOp V	3HG01512VA	20.00%

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COI	Nokia	NoOp H	3HG01512HA	20.00%
COI	Nokia	NoOp V	3HG01392AE	20.00%
COI	Nokia	NoOp V	3HG01376AE	20.00%
COI	Nokia	NoOp V	3HG01397AD	20.00%
COI	Nokia	NoOp H	3HG01376AD	20.00%
COI	Nokia	LT	3HG01398AA	20.00%
COI	Nokia	LTV	3HG01397AA	20.00%
COI	Nokia	PON LT	3HG01393AA	20.00%
COI	Nokia	PON LT	3HG01392AA	20.00%
COI	Nokia	LTV	3HG01376AA	20.00%
COI	Nokia	LT	3HG01358AB	20.00%
COI	Nokia	LTH	3HG01397AC	20.00%
COI	Nokia	LTH	3HG01376AC	20.00%
COI	Nokia	Bundle	3HG01420AA	20.00%
COI	Nokia	Bundle	3HG01419AA	20.00%
COI	Nokia	RTU	3HG01418AA	20.00%
COI	Nokia	NoOp H	3HG01392AD	20.00%
COI	Nokia	V	3HG01393AC	20.00%
C-SFP	Nokia	1000Base-BX10-D C-SFP	3FE65106AA	20.00%
C-SFP	Nokia	100/1000Base-BX20-D DR C-SFP	3FE69491AA	20.00%
EMS	Nokia	A5520 AMS - RTU External TL1 GW	3FE31180AA	20.00%
EMS	Nokia	A5520 AMS - RTU Operator Position	3FE31060AA	20.00%
EMS	Nokia	5520/5529 AMS Starter Kit Bundle	3AP38518AAAA	20.00%
EMS	Nokia	Sub	3AP38517CAAA	20.00%
Line Cards	Nokia	FWLT-B 8port U-NGPON LT (2x40G BP)	3FE72955AA	20.00%
Line Cards	Nokia	CFXR-A 7362 DF-16GW with DC power	3FE45632BA	20.00%
Line Cards	Nokia	CFXR-A 7362 DF-16GW with AC power	3FE45632AA	20.00%
Line Cards	Nokia	FPXT-B 8p 10G EPON LT	3FE68788AB	20.00%
Line Cards	Nokia	NPOT-C 48-Port Voice LT	3FE65455BA	20.00%
Line Cards	Nokia	NELT-B 36-Port P2P Ethernet LT	3FE62543AA	20.00%
Line Cards	Nokia	FGLT-B 16p GPON LT	3FE68954AB	20.00%
Line Cards	Nokia	Cable	3FE73517AA	20.00%
Line Cards	Nokia	Cable	3FE73517BA	20.00%
Line Cards Software Application Fees	Nokia	7360 L3 PER PORT FEE - Layer 3 RTU	3MV00468AAAA	20.00%

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MDF Cables	Nokia	VSRM-A VDSL 710 10ft 50-pair Cable	3FE69365AA	20.00%
MDF Cables	Nokia	VSRM-A VDSL MS2 10ft 50-Pair Cable	3FE69364AA	20.00%
MDF Cables	Nokia	SX-16F INDOOR DROP CABLE 3M	3FE73371AA	20.00%
MDF Cables	Nokia	SX-48V VDSL CABLE 50FT, UNTERM	3FE73309AA	20.00%
Network Termination Card Additional Part	Nokia	FNIO-A FX NTIO card 8-port 10G	3FE65586BA	20.00%
Network Termination Cards	Nokia	NDPS-B Vect Proc Card (384 lines)	3FE67437AA	20.00%
Network Termination Cards	Nokia	ANSI	3FE53701BD	20.00%
Network Termination Cards	Nokia	ANSI	3FE71256BA	20.00%
OLT	Nokia	Dual GPON XFP OLT (I-temp) Class C+	3FE56402BC	20.00%
OLT	Nokia	Dual GPON XFP OLT (C-temp) Class C+	3FE56402BA	20.00%
OLT	Nokia	Dual GPON XFP OLT (I-temp) Class B+	3FE56402AC	20.00%
ONT	Nokia	C-040P-Q	3FE47275AA	20.00%
ONT	Nokia	C-040P-P	3FE47274AA	20.00%
ONT	Nokia	U-090CP-P	3FE47273AA	20.00%
ONT	Nokia	G-010S-B	3FE46955AA	20.00%
ONT	Nokia	G-010S-A ONT	3FE46541AA	20.00%
ONT	Nokia	(XGSPON/XGPON1)	3FE47474AA	20.00%
ONT	Nokia	U-050X-A (US plug)	3FE47451AA	20.00%
ONT	Nokia	O-E010S-P DPoE SFP ONU Indoor	3FE65373DA	20.00%
ONT	Nokia	G-040P-Q PoE ONT Kit (US Plug)	3FE56863AC	20.00%
ONT	Nokia	G-010G-A (US plug)	3FE56089AA	20.00%
ONT	Nokia	G-240G-A H AC/DC (US plug)	3FE55868AA	20.00%
ONT	Nokia	G-240G-A ONT Only	3FE55691AA	20.00%
ONT	Nokia	G-881G-B 8P,8GE,RF,Indoor	3FE56074AB	20.00%
ONT	Nokia	G-881G-A 8P,8GE,RF,Outdoor	3FE56074AA	20.00%
ONT	Nokia	XE-040G-A Kit	3FE55742AA	20.00%
ONT	Nokia	G-440G-A (US-plug)	3FE55508AA	20.00%
ONT	Nokia	G-440G-A	3FE55423AA	20.00%
ONT	Nokia	plug)	3FE45667AA	20.00%
ONT	Nokia	KIT-E-240G-B	3FE46260AA	20.00%
ONT	Nokia	Outdoor enclosure for XS-250X-A	3FE47391BA	20.00%
ONT	Nokia	U-00160CP-P,POL	3FE47277AA	20.00%
ONT	Nokia	XS-020X-A (US plug)	3FE48958AA	20.00%
ONT	Nokia	F-010G-C (US plug)	3FE46007AA	20.00%

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ONT	Nokia	XS-240W-A Kit (US plug)	3FE48626AA	20.00%
ONT	Nokia	XS-250WX-A (US plug)	3FE48439AA	20.00%
ONT	Nokia	XS-250X-A (US plug)	3FE48118AA	20.00%
ONT	Nokia	G-241G-A ONT	3FE47068AA	20.00%
ONT	Nokia	management)	3FE48958AB	20.00%
ONT	Nokia	G-040P-Q Indoor Installation Bracket	3FE48105AA	20.00%
PS	Nokia	Cyber DTC36	3MV00555AA	20.00%
Service	Nokia	SSP - EMS (55XX/73XX) per line	301049607	20.00%
SFP	Nokia	integrGPON MAC	3FE68653AA	20.00%
SFP	Nokia	1000Base-T RJ45 SFP Electrical	3FE64927AA	20.00%
SFP	Nokia	GPON SFP C+ (I-temp) OLT	3FE53441BC	20.00%
SFP	Nokia	GPON SFP C+ (C-temp) OLT	3FE53441BA	20.00%
SFP	Nokia	GPON SFP B+ (I-temp) OLT	3FE53441AC	20.00%
SFP	Nokia	GPON SFP B+ (C-temp) OLT	3FE53441AA	20.00%
SFP	Nokia	24DB	3FE25776AA	20.00%
SFP	Nokia	18dB	3FE25775AA	20.00%
SFP	Nokia	11dB	3FE25774AA	20.00%
SFP	Nokia	7DB	3FE25773AA	20.00%
SFP	Nokia	GPON SFP C++ (I-temp) OLT 34dB	3FE53441FC	20.00%
SFP	Nokia	GPON B+ SFP optics module w. SC/APC	3FE46899AA	20.00%
SFP+	Nokia	10GBase-ZR SFP+ 80km 10Gbps I-temp	3FE65832AA	20.00%
SFP+	Nokia	10GBase-ER SFP+ 40km	3FE65831AA	20.00%
SFP+	Nokia	1611nm	3FE68890AH	20.00%
SFP+	Nokia	1591nm	3FE68890AG	20.00%
SFP+	Nokia	1571nm	3FE68890AF	20.00%
SFP+	Nokia	1551nm	3FE68890AE	20.00%
SFP+	Nokia	1531nm	3FE68890AD	20.00%
SFP+	Nokia	1511nm	3FE68890AC	20.00%
SFP+	Nokia	1491nm	3FE68890AB	20.00%
SFP+	Nokia	1471nm	3FE68890AA	20.00%
SFP+	Nokia	10GBase-SR SFP+ 300M	3FE63264AA	20.00%
SFP+	Nokia	1310nm	3FE62600DA	20.00%
SFP+	Nokia	10GBase-LR SFP+ 10KM	3FE62600AA	20.00%
SFP+	Nokia	XGS Optics Module	3FE46901AA	20.00%

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Subrack Additional Part	Nokia	7362 ISAM SF-8GW IP67 gland plug	3FE74790AA	20.00%
Subrack Additional Part	Nokia	Mounting Kit	3FE74947AA	20.00%
Subrack Additional Part	Nokia	Kit	3FE74946AA	20.00%
Subrack Additional Part	Nokia	23inch Rack Mounting Kit	3FE72996AA	20.00%
Subrack Additional Part	Nokia	Dust Filter	3FE72997AA	20.00%
Subrack Additional Part	Nokia	19inch Rack Mounting Kit	3FE72995AA	20.00%
Subrack Additional Part	Nokia	CFAN-A 7362 DF-16GW Fan Unit	3FE45999AA	20.00%
Subrack Additional Part	Nokia	Filler FX 25mm without pre-cablng lot	3FE65651BA	20.00%
Subrack Additional Part	Nokia	Filler FX 30mm for NT-B position	3FE65651AA	20.00%
Subrack Additional Part	Nokia	Filler FX 25mm with pre-cablng lot	3FE65005AA	20.00%
Subrack Additional Part	Nokia	7367 ISAM SX-16F Wall / Pole mount	3FE72785AA	20.00%
Subrack Additional Part	Nokia	7367 SX-16F Gland Kit	3FE72091AA	20.00%
Subrack Additional Part	Nokia	16p LTA for SX-16F - 710	3FE69832DB	20.00%
Subrack Additional Part	Nokia	dipl	3FE69832CB	20.00%
Subrack Additional Part	Nokia	diplexer	3FE69832AB	20.00%
Subrack Additional Part	Nokia	12p LTA for SX-12VP - 710	3FE69832DA	20.00%
Subrack Additional Part	Nokia	CABLE GLAND KIT for ANSI SX-48V	3FE69418AA	20.00%
Subrack Additional Part	Nokia	Bracket	3FE69372AA	20.00%
Subrack Additional Part	Nokia	Filler MA-Filler Parking Panel	3FE69465AA	20.00%
Subrack Additional Part	Nokia	ANSI FX-8 FIBER ROUTING	3FE61087EB	20.00%
Subrack Additional Part	Nokia	ANSI FX-4 FIBER ROUTING	3FE61087DB	20.00%
Subrack Additional Part	Nokia	7362 ISAM SF-8GW AC power module	3FE74525BA	20.00%
Subrack Additional Part	Nokia	module	3FE74525AA	20.00%
Subrack Additional Part	Nokia	GDT+Fuse kit	3FE74945BA	20.00%
Subrack Additional Part	Nokia	GDT+Fuse k	3FE74945AA	20.00%
Subracks	Nokia	Variant	3FE68617AB	20.00%
Subracks	Nokia	NFXS-D FX-16 shelf w/o Fan	3FE65209BA	20.00%
Subracks	Nokia	NFXS-E FX-4 shelf w/ BFAN-X	3FE64991BB	20.00%
Subracks	Nokia	NFXS-E FX-8 shelf w/ BFAN-E	3FE64936BB	20.00%
Subracks	Nokia	CFES-B 7367 SX-16F with triple power	3FE71491BE	20.00%
Subracks	Nokia	CFAS-D 7367 SX-16F with triple power	3FE71491AE	20.00%
Subracks	Nokia	MNTS-A KIT	3FE45042AA	20.00%
Subracks	Nokia	power	3FE74988AA	20.00%
XFP	Nokia	XGS DR XFP N2 (C-temp) OLT	3FE46232BA	20.00%

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XFP	Nokia	XGS DR XFP N1 (C-temp) OLT	3FE46232AA	20.00%
XFP	Nokia	10/10G-EPON PR30 OLT XFP, I-temp	3FE66606BD	20.00%
XFP	Nokia	XGS DR XFP N1 (I-temp) OLT	3FE46232AC	20.00%
Full OEM Catalog	Legrand	All Available Materials		15.00%
Full OEM Catalog	Ortronics	All Available Materials		15.00%
Full OEM Catalog	Superior Essex	All Available Materials		15.00%
Full OEM Catalog	CelFi	All Available Materials		15.00%
Full OEM Catalog	Coomba	All Available Materials		15.00%
Full OEM Catalog	Westell	All Available Materials		15.00%
Full OEM Catalog	Commscope	All Available Materials		15.00%
Full OEM Catalog	JMA Wireless	All Available Materials		15.00%
Full OEM Catalog	SOLiD	All Available Materials		15.00%
Full OEM Catalog	Corning	All Available Materials		15.00%
Full OEM Catalog	ADRF	All Available Materials		15.00%
Full OEM Catalog	G-Wave	All Available Materials		15.00%
Full OEM Catalog	RFS	All Available Materials		15.00%
Full OEM Catalog	Microlab	All Available Materials		15.00%
Full OEM Catalog	TE Connectivity	All Available Materials		15.00%
Full OEM Catalog	Surecall	All Available Materials		15.00%
Full OEM Catalog	Amphenol	All Available Materials		15.00%
Full OEM Catalog	PCTEL	All Available Materials		15.00%
Full OEM Catalog	Laird	All Available Materials		15.00%
Full OEM Catalog	Kaeluss	All Available Materials		15.00%
Full OEM Catalog	Anritsu	All Available Materials		15.00%
Full OEM Catalog	Mobile Access	All Available Materials		15.00%
Full OEM Catalog	PolyPhaser	All Available Materials		15.00%
Full OEM Catalog	RF Industries	All Available Materials		15.00%
Full OEM Catalog	SpiderCloud	All Available Materials		15.00%
Full OEM Catalog	Times Microwave	All Available Materials		15.00%
Full OEM Catalog	Trilogy	All Available Materials		15.00%
Full OEM Catalog	Ericson	All Available Materials		15.00%
Full OEM Catalog	Wireless Solutions	All Available Materials		15.00%