

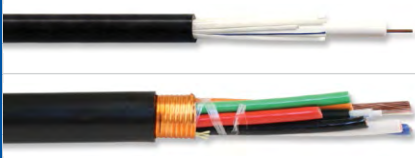
DAS HYBRID	Cables		Part Number	Conductor Count	Conductor Type	AWG (mm)	Fiber Count	Fiber Type
		DAS Hybrid Fiber + Copper, Plenum	F4C2-012U13-6991-CE5	4	19 x 0.185"	12 (2.05)	12	SMF TeraFlex® Bend Resistant G.657.A1
	Interlock Armored DAS Hybrid Fiber + Copper, Plenum	F2C2-012U13-6991-CE5	4	19 x 0.185"	12 (2.05)	12	SMF TeraFlex Bend Resistant G.657.A1	

DAS CABLE AND CONNECTORS	Riser	Plenum	Cables	Compatible DIN Connectors	Compatible N Connectors	Connector Interface Type		
						Gender	Straight or Angle	
	HFSC-12DR ½" Super Flexible, Foam Dielectric Copper Corrugated Outer Conductor ETL listed CMR			CHFS-12DM	CHFS-12NM	Male	Straight	
				CHFS-12DF	CHFS-12NF	Female	Straight	
				CHFS12DMR	CHFS12NMR	Male	Right Angle	
				CHFS12DFR	CHFS12NFR	Female	Right Angle	
				CLH-12DM	CLH-12NM	Male	Straight	
				CLH-12DF	CLH-12NF	Female	Straight	
	LHF-12DR ½" Low Loss, High Flexible, Foam Dielectric Copper Corrugated Outer Conductor ETL Listed CMR				CLH-12DMR	CLH-12NMR	Male	Right Angle
					CLH-12DFR	CLH-12NFR	Female	Right Angle
					CHFA-12DM	CHFA-12NM	Male	Straight
					CHFA-12DF	CHFA-12NF	Female	Straight
					-	CHFA12NMR	Male	Right Angle
					-	CHFA12NFR	Female	Right Angle
	HFAC-12DR ½" Low Loss, High Flexible, Foam Dielectric Aluminum Corrugated Outer Conductor ETL Listed CMR			CHFS-12DM	CHFS-12NM	Male	Straight	
				CHFS-12DF	CHFS-12NF	Female	Straight	
				CHFS12DMR	CHFS12NMR	Male	Right Angle	
				CHFS12DFR	CHFS12NFR	Female	Right Angle	
				CLHP-12DM	CLHP-12NM	Male	Straight	
				CLHP-12DF	CLHP-12NF	Female	Straight	
	LHF-12DP ½" Low Loss, High Flexible, Air Dielectric Copper Corrugated Outer Conductor ETL Listed CMP				CLHP12DMR	CLHP12NMR	Male	Right Angle
					CLHP12DFR	CLHP12NFR	Female	Right Angle
					CHFAP12DM	CHFAP12NM	Male	Straight
					CHFAP12DF	CHFAP12NF	Female	Straight
					CHFAP12DMR	CHFAP12NMR	Male	Right Angle
					CHFAP12DFR	CHFAP12NFR	Female	Right Angle
	HFAC-12DP ½" Low Loss, High Flexible, Air Dielectric Aluminum Corrugated Outer Conductor ETL Listed CMP			CHFS-12DM	CHFS-12NM	Male	Straight	
				CHFS-12DF	CHFS-12NF	Female	Straight	
				CHFS12DMR	CHFS12NMR	Male	Right Angle	
				CHFS12DFR	CHFS12NFR	Female	Right Angle	
				CLHP-12DM	CLHP-12NM	Male	Straight	
				CLHP-12DF	CLHP-12NF	Female	Straight	
	LHF-12DP ½" Low Loss, High Flexible, Air Dielectric Copper Corrugated Outer Conductor ETL Listed CMP				CLHP12DMR	CLHP12NMR	Male	Right Angle
					CLHP12DFR	CLHP12NFR	Female	Right Angle
					CHFAP12DM	CHFAP12NM	Male	Straight
					CHFAP12DF	CHFAP12NF	Female	Straight
					CHFAP12DMR	CHFAP12NMR	Male	Right Angle
					CHFAP12DFR	CHFAP12NFR	Female	Right Angle

DAS JUMPERS	Riser	Plenum	Part Number ¹	Cable Size and Type	Interface Type End	
					End 1	End 2
			JR12xNMNM	½" HFSC-12DR	N Male	N Male
			JR12xNMNF		N Male	N Female
			JR12xNFnF		N Female	N Female
			JR12xNMRM		N Male	N Male Right Angle
			JR12xNMRF		N Male	N Female Right Angle
			JR12xNFRF		N Female	N Female Right Angle
			JP12xNMNM	½" HFSC-12DP	N Male	N Male
			JP12xNMNF		N Male	N Female
			JP12xNFnF		N Female	N Female
			JP12xNMRM		N Male	N Male Right Angle
			JP12xNMRF		N Male	N Female Right Angle
			JP12xNFRF		N Female	N Female Right Angle

¹Where "x" = jumper cable length (i.e. 1 meter, 2 meters or 3 meters).

CABLE PREP	Tools	Part Number	Description	Compatible Cable/ Tool
T-LHF12DR	Cable Prep Drill Tool	LHF-12DR		
T-HFAC12DR	Cable Prep Drill Tool	HFAC-12DR		
T-HFSC12DP	Cable Prep Drill Tool	HFSC-12DP		
T-LHFA12DP	Cable Prep Drill Tool	LHF-12DP, HFAC-12DP		
TF-LHFA12	Flare and Foam Separator	LHF-12DP, LHF-12DR, HFAC-12DP, HFAC-12DR		
Blade Kits	TF-HFSC12	Flare and Foam Separator	HFSC-12DP, HFSC-12DR	
	TBK-LHFA12	Replacement Blade Kit for Automatic Cable Prep Tool	T-LHFA12DP, T-LHF12DR, T-HFAC12DR	
	TBK-HFSC12	Replacement Blade Kit for Automatic Cable Prep Tool	T-HFSC12DP, T-HFSC12DR	

FTTA		Cable	Part Number	Conductor Count	AWG (mm)	Fiber Component	Fiber Count
		Fiber-to-the-Antenna (FTTA) Fiber OFNR	53012K01Q	-	-	Central tube	12
			53024K01Q				24
			53048K01Q				48
Fiber-to-the-Antenna (FTTA) Hybrid Fiber + Power	GM012K221	6	8 (3.26)	Tight buffer	12		
	GM012K111			Central tube			
	GM012K011			Loose tube			

	Cables	Compatible DIN Connectors	Compatible N Connectors	Connector Interface Type			
				Gender	Straight or Angle		
Super Flex		HFSC-12D ½" Super Flexible Foam Dielectric Copper Corrugated Outer Conductor	CHFS-12DM	CHFS 12NM	Male	Straight	
			CHFS-12DF	CHFS-12NF	Female	Straight	
			CHFS12DMR	CHFS12NMR	Male	Right Angle	
			CHFS12DFR	CHFS12NFR	Female	Right Angle	
Low Loss		LHF-12D ½" Low Loss Feeder Dielectric Copper Corrugated Outer Conductor	CLH-12DM	CLH-12NM	Male	Straight	
			CLH-12DF	CLH-12NF	Female	Straight	
			CLH-12DMR	CLH-12NMR	Male	Right Angle	
			CLH-12DFR	CLH-12NFR	Female	Right Angle	
Ultra Low Loss		LHF-33D 1¼" Low Loss Feeder Dielectric Copper Corrugated Outer Conductor	CLH-33DM	CLH-33NM	Male	Straight	
			CLH-33DF	CLH-33NF	Female	Straight	
			LHF-22DU ¾" Ultra Low Loss Feeder Dielectric Copper Corrugated Outer Conductor	CLH-22DM	CLH-22NM	Male	Straight
				CLH-22DF	CLH-22NF	Female	Straight
Ultra Low Loss		LHF-42DUF 1½" Ultra Low Loss Feeder Dielectric Copper Corrugated Outer Conductor	CLH-42DM	CLH-42NM	Male	Straight	
			CLH-42DF	CLH-42NF	Female	Straight	

RF JUMPERS	Part Number ¹	Cable Assembly Size and Type	Interface Type	
			End 1	End 2
	J12-xDMDM	½" HFSC	DIN Male	DIN Male
	J12-xNMNM		N Male	N Male
	J12-xDMDF		DIN Male	DIN Female
	J12xNMNMR		N Male	N Male Right Angle
	J12xDMDMR		DIN Male	DIN Male Right Angle

¹Where "x" = jumper cable length (see key below).

KEY	RF Jumper Cable Lengths					
	1 meter	2 meters	3 meters	4 meters	5 meters	6 meters
¹ Replace "x" with:	1	2	3	4	5	6

HANGER KITS		Part Number	Description	Unit of Measure
		Standard	LBHS12NH	½" Cable Standard Hangers
LBHS22NH	¾" Cable Standard Hangers		Kit of 10	
LBHS33NH	1¼" Cable Standard Hangers		Kit of 10	
LBHS42NH	1½" Cable Standard Hangers		Kit of 10	
Stackable Snap-In	L-SH-S12	½" Cable Stackable Snap-In Hangers	Kit of 10	
	L-SH-S22	¾" Cable Stackable Snap-In Hangers	Kit of 10	
	L-SH-S33	1¼" Cable Stackable Snap-In Hangers	Kit of 10	
	L-SH-S42	1½" Cable Stackable Snap-In Hangers	Kit of 10	
Universal Snap-In	L-SH-U12	½" Cable Universal Snap-In Hangers	Kit of 10	
	L-SH-U22	¾" Cable Universal Snap-In Hangers	Kit of 10	
	L-SH-U33	1¼" Cable Universal Snap-In Hangers	Kit of 10	
	L-SH-U42	1½" Cable Universal Snap-In Hangers	Kit of 10	

ADAPTER KITS	Part Number	Description	Unit of Measure
	RM-A100	1" to 2" Round Adapters	Kit of 10
	RM-A300	3" to 4" Round Adapters	Kit of 10
	SA-SS200	1½" to 3½" Stand-Off Adapters	Kit of 10
	SA-SS300	2" to 4.5" Stand-Off Adapters	Kit of 10
	L-SA-38	3-Way Stand-Off Adapters	Kit of 10
	AA-SL	Angle Adapters	Kit of 10

OTHER ACCESSORIES		Part Number	Description	Unit of Measure
		Grounding	L-GK-C12	½" Cable Grounding Kit - Clip-on Type
L-GK-C22	¾" Cable Grounding Kit - Clip-on Type		Kit	
L-GK-C42	1½" Cable Grounding Kit - Clip-on Type		Kit	
Hoisting Grips	L-HG-12	½" Cable Hoisting Grip - Lace-Up	Each	
	L-HG-22	¾" Cable Hoisting Grip - Lace-Up	Each	
	L-HG-33	1¼" Cable Hoisting Grip - Lace-Up	Each	
	L-HG-42	1½" Cable Hoisting Grip - Lace-Up	Each	
	L-HG-12L	½" Cable Hoisting Grip - Pre-Laced	Each	
	L-HG-22L	¾" Cable Hoisting Grip - Pre-Laced	Each	
	L-HG-42L	1½" Cable Hoisting Grip - Pre-Laced	Each	
Boots	LBA-12-1A	½" Cable Boot Assembly, 4" with 1 Hole	Kit	
	LBA-22-1A	¾" Cable Boot Assembly, 4" with 1 Hole	Kit	
	LBA-42-1A	1½" Cable Boot Assembly, 4" with 1 Hole	Kit	
Surge Arrestors	AGDMDF02	Surge Arrestor - Wide Band (DC Pass) DIN Male/DIN Female	Each	
	AG-NFNF	Surge Arrestor - Wide Band (DC Pass) N Female/N Female	Each	
	ATNMNF700	Surge Arrestor - 700-2,700 Wave 4 N Male/N Female	Each	
	ATDMDF700	Surge Arrestor - 700-2,700 MHz Wave 4 DIN Male/DIN Female	Each	
	AT-NMNF-W	Surge Arrestor - 800-2,700 MHz Wave 4 N Male/N Female	Each	
	AT-DMDF-W	Surge Arrestor - 800-2,700 MHz Wave 4 DIN Male/DIN Female	Each	
Tools	L-CT-12D	½" Cable Cutting Tool - LHF and HFAC	Each	
	L-CT-12DS	½" Cable Cutting Tool - HFSC	Each	
	L-CT-22D	¾" Cable Cutting Tool - LHF	Each	
	L-FT-42D	1½" Cable Cutting Tool - LHF	Each	
Miscellaneous	L-WK-U	Universal Weatherproofing Kit	Kit	
	GB0424TU	Ground Bus Bar Kit	Kit	
	WPSANT12D	Weather Proofing Shell - Antenna to ½" DIN	Each	
	WPS12158D	Weather Proofing Shell - ½" to 1½" DIN	Each	
	WATS-38	Anti-Theft Hardware Kit	Kit	