

oc – Fiber Optic Cable

Cable designs a, b, c, and d complies with 7 CFR 1755.900. Cable design e - complies with RUS requirements for Fiber Optic Service Entrance Cables. Cable designs, RUS suffixes and notes are outlined on page 1.5.4. For cable installation, PON users must follow the manufacturer's recommended use and practices.

<i>Manufacturer name and accepted fibers</i>	<i>Accepted Cables</i>	<i>Cable Design</i>	<i>Suffixes</i>
Alcoa Fujikura Ltd Accepted for dispersion-unshifted and dispersion-shifted single mode optical fibers. Also accepted for 50/125 and 62.5/125 micrometer multimode optical fibers.	Dielectric__(Pure) Uni-Tube MicroCore ⁽²⁾⁽⁷⁾	a	B
	AFL ADSS Mini-Span Series	c	J
	AFL Loose Tube Cable	d	F
	AFL Armored Loose Tube Cable	d	H
CommScope/Systimax Solutions Accepted only for dispersion-unshifted single mode optical fibers.	O-XXX-LN-XY-F12NS XXX=002-288 (Arid Core) 5024 XXXA WXBK XXX=002-288 (Arid Core)	d	F
	O-XXX-LA-XY-F12NS XXX=002-288 (Arid Core) 5023 XXXA WXBK XXX=002-288 (Arid Core)	d	H
	O-XXX-L2-XY-F12NS ⁽⁴⁾ XXX=002-288 (Arid Core) 5043 XXXA WXBK ⁽⁴⁾ XXX=002-288 (Arid Core)	d	H
	D-XXX-LN-XY-F12NS XXX=002-288 (Gel-Free, Arid Core) 5028 XXXA WXBK XXX=002-288(Gel-Free, Arid Core)	d*	F
	D-XXX-LA-XY-F12NS XXX=002-288 (Gel-Free, Arid Core) 5027 XXXA WXBK XXX=002-288(Gel-Free, Arid Core)	d*	H
	D-XXX-L2-XY-F12NS ⁽⁴⁾ XXX=002-288 (Gel-Free, Arid Core)	d*	H
	M-XXX-DN-XY-F12NS/GSM/40T XXX=001-012 (Arid Core)	e	J
	M-XXX-MN-XY-F06NS/CCS XXX=001-006 (Arid Core)	e	J
	O-XXX-DA-XY-F12NS XXX=001-012 (Arid Core)	e	M
	Corning Cable Systems SMF-28e (standard single-mode) LEAF (non-zero dispersion shifted single-mode) NexCor (premium single-mode) InfiniCor (50/125 Multi-mode and 62.5/125 Multi-mode)	ALTOS™ Figure-8 Gel-Free and Filled (Lite version included)	c
ALTOS™ Filled and Gel Free* (LST, LST Lite, and Lite versions included)		d	E, F, G, H, P
SOLO All-Dielectric Self Supporting (ADSS Short Span & ADSS Medium-Span)		c	J, P
SST-Drop (Dielectric & Armored - Toneable versions included)		e	B, C, N, P
SST-Ribbon, SST-Ribbon Gel-Free*, SST-UltraRibbon (Dielectric, Armored, Gel-Free* versions accepted)		a	B, C, P

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Draka Comteq Standard singlemode, Enhanced Singlemode, BendBright (XS), TeraLight Metro NZDSF, TeraLight Ultra NZDSF, includes 2.65 mm loose tubes.	ezUNITUBE™	a, e	B, C
	ezPREP™ Loose Tube Central	a, e	M
	ezRIBBON™ Central Tube ⁽⁸⁾⁽⁹⁾ (includes Gel Free version*)	a	A, B, C, D
	ezPREP™ Loose Tube Traditional Filled/Dry (includes Heavy Duty versions)	b, d, e	E, F, G, H
	ezPREP™ Loose Tube includes versions: 1. Heavy Duty 2. Gel Free* Figure 8	c, d, e	E, F, G, H, I, K
	ezSPAN™ADSS Short Span	c, e	J
	ezMICRODUCT™ ⁽⁷⁾	d, e	F
	ezSPAN™ADSS Long Span	c	J
	ezDROP™ Dielectric ezDROP™ Toneable ezDROP™ Figure 8	e	B, N, P I
Emtelle ITU-T G.652d ITU-T G.655.A(B)(C) ITU-T G.651 (multimode)	fibreflow™ Optical Fiber Unit System ⁽¹⁰⁾	(10)	(10)
Hitachi Cable Accepted only for dispersion-unshifted and dispersion-shifted single mode optical fibers.	60090	d	F
	60102 ⁽⁵⁾	d	H
	60298 ⁽⁴⁾	d	H

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NextGen Fiber Optics/ General Cable Accepted only for dispersion-unshifted single mode optical fibers.	4M ⁽³⁾ Y-DWB	c	I
	4H ⁽³⁾ N-DWB	c	K
	4 ⁽⁶⁾ 2A-DWB	d	E
	4 ⁽⁶⁾ 1A-DWB	d	F
	4 ⁽⁶⁾ 2F-DWB	d	G
	4 ⁽⁶⁾ 1F-DWB	d	H
OFS OFS Single Mode Fibers: AllWave®, AllWave® FLEX ZWP, TrueWave® RS, Singlemode Low Water Peak (Contact OFS for Literature)	LightPack® LXE	a	B, C
	Mini C2™	a	C, P
	AccuRibbon® DC	a	B, C
	Single Jacket, Armored (contact OFS for literature), Light-Armored	b	E, F, G, H, P
		d	
	Figure8 (includes Armored version, contact OFS for literature)	c	I, K, P
	PowerGuide® ADSS (includes TTH version)	c	J, P
OFS Multi Mode Fibers: LaserWave™ (50 um), Laser Optimized Fiber 62.5/62.5XL, Standard 62.5um & 50um Multimode Fiber (Contact OFS for Literature)	Fortex™ DT (includes High Density version and both may be Single Jacket, Armored, or Light-Armored as needed)	d	E, F, G, H, P
	AccuRibbon® LXE	a	B, C
	Mini LXE	e	C
	Dielectric Drop	e	B
	Mini LT (toneable version included)	e	B
	Midia FX PLUS ⁽⁷⁾	d, e	F

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<u>Prysmian</u> Accepted only for dispersion-unshifted and dispersion-shifted single mode optical fibers.	CentraLink™ ⁽²⁾ (includes CD version)	a, e	D
	AeroLink™ ADSS (includes Short, Medium, and Long versions)	c	J
	FlexLink™ (includes Armored version)	d, d*	F, H
	FusionLink™ XXXXYSTRADESJB (Non-Armored) Dry/Dry	a*	B
	FusionLink™ XXXXYSTRADSAJB (Armored) Dry/Dry	a*	C
	FusionLink™ XXXXYSTRABESJB (Non-Armored) Gel filled	a	B
	FusionLink™ XXXXYSTRABSAJB (Armored) Gel filled	a	C
	XXXXYYHNLADJNVK – ResiLink ADF™	e	B
	XXXXYYHNLTDJNVK – ResiLink TF™	e	B
	XXXXYYHNLEDJNVK – ResiLink™	e	I
<u>Remeo Products</u> Accepted for dispersion-unshifted and dispersion-shifted single mode optical fibers. Also accepted for 50/125 and 62.5/125 micrometer multimode optical fibers.	22 Series ⁽⁵⁾ (Contact Remeo for literature on dry block designs, flooded designs on web)	b,d,e	E, F
	23 Series ⁽⁴⁾ (Contact Remeo for literature on dry block designs, flooded designs on web)	b,d,e	G, H
	25 Series ⁽⁴⁾ (Contact Remeo for literature on dry block designs, flooded designs on web)	b,d,e	E, F
	28 Series ⁽⁴⁾⁽⁵⁾ (Contact Remeo for literature on dry block designs, flooded designs on web)	b,d,e	G, H
	83 Series ⁽⁴⁾⁽⁵⁾ (Contact Remeo for literature on dry block designs, flooded designs on web)	c	K, L
	88 Series ⁽⁴⁾⁽⁵⁾ (Contact Remeo for literature on dry block designs, flooded designs on web)	c	I, J
<u>Sumitomo Electric</u> Accepted for dispersion-unshifted fiber (PureBand and PureAccess) and dispersion-shifted single mode optical fibers (PureGuide and PureMetro). Also accepted for 50/125 and 62.5/125 micrometer multimode optical fibers.	Litepipe™ ADS™ (Ribbon & Fiber Bundle)	a	B
	Litepipe™ Armorlux® (Ribbon & Fiber Bundle)	a	C
	Litepipe™ Armorlux® - LE ⁽²⁾	a	B, D
	DriCore®	d	E, F, G, H
	DriTube (ribbon cable) *	a	B, C
	SE-*LW*, *LV*, *LG*, *LH*	e	N
	SE-*LQ* ⁽²⁾	e	M

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<i>Manufacturer name and accepted fibers</i>	<i>Accepted Cables</i>	<i>Cable Design</i>	<i>Suffixes</i>
Superior Essex Matched Clad (MC), FullBand® Low Water Peak, Allwave®, Flex Zero Water Peak, AllWave® Zero Water Peak, Low Water Peak, ASMF 200 AFC, TeraLight, SMF-28 and 28e+, SMF-LS, Leaf NZ-DSF SMF, Dispersion-unshifted SMF, PureBand	SLT ⁽²⁾	a	B, D, P
	SLT-D-R ⁽²⁾ (Ribbon), SLT-D-R * (Dri-Lite™)	a	B, C, D, P
	S2	d	C, D
	MLT	b	E, F, G, H, P
	MLT-8	c	I, K, P
	MLT-D-8	c	I, K, P
	MLT-D	d	E, F, G, H, P
	Universal FTTP OFNR	e	N, P
	Toneable FTTP OFCR	e	N, P
	ADP FTTP Series 57	e	B, P
	Buried FTTP Composite Series 72	e	M, P, Q
	Universal Drop FTTP Series 570Q	e	N, P
	UG FTTP Series 513	e	N, P
	Buried FTTP Series 523	e	M, P, Q
	Toneable Drop FTTP Series 571Q	e	N, P
Figure 8 FTTP Series 573Q	e	I, P	

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Cable Designs:

- a – Unit Core or Central Core Tube Fiber Core Construction
- b – Gel Filled Multiple Loose Tube Core Construction; May contain multiple fibers per tube.
- c – Self-Supporting Filled Fiber Optic Cables
- d – Dry Filled Multiple Loose Tube Fiber Core Construction; May contain multiple fibers per tube.
- e – Complies with Draft RUS Specification for Fiber Optic Service Entrance Cables
- * – Indicates Cable Designs that are fully dry using water blocking elements throughout.

Suffixes:

- A - Nonarmored with Metallic Strength Members Embedded in Jacket
- B - Nonarmored with Dielectric Strength Members Embedded in Jacket for aerial and duct use only
- C- Armored with Metallic Strength Members Embedded in Jacket
- D - Armored with Dielectric Strength Members Embedded in Jacket
- E - Nonarmored with Metallic Central Strength Member for aerial and duct use only
- F - Nonarmored with Dielectric Central Strength Member for aerial and duct use only
- G - Armored with Metallic Central Strength Member
- H - Armored with Dielectric Central Strength Member
- I - Nonarmored with Metallic Support Messenger
- J - Nonarmored with Dielectric Support Messenger
- K - Armored with Metallic Support Messenger
- L - Armored with Dielectric Support Messenger
- M - Armored with additional strength yarns in place of strength members for tensile strength.
- N - Nonarmored Dielectric Cable for aerial, underground and buried use.
- P - Preconnectorized Cable

Notes

- (1) May contain multiple fibers per tube.
- (2) Not embedded in jacket; surrounds central core tube.
- (3) Replace blank with the number 1 or 2.
- (4) Double jacketed design.
- (5) Single jacketed design.
- (6) Replace blank with either the letter M or H.
- (7) For air blown microduct (a duct having a diameter of 10 to 13 millimeters) installations only.
- (8) Toneable ribbon cable accepted
- (9) High count (288-432) 24 fiber splittable ribbon accepted
- (10) Users must follow manufacturer's installation requirements and method. Blown fiber system is accepted through 7 CFR 1755.900, section 1.4: "*Optical cable designs not specifically addressed by this specification may be allowed if accepted by REA. Justification for acceptance of a modified design must be provided to substantiate product utility and long term stability and endurance.*" System includes all accessories and components and is not accepted for individual use without the system.