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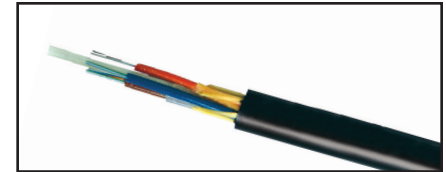
Single-Jacket, All Dielectric Loose Tube Cables

Loose Tube — Outdoor

Gel-filled buffer tube prevents water migration. All-dielectric strength member. Available as Riser rated cable, thereby eliminating the need for service entrance splicing to in-building cable. Full dielectric construction, no grounding required. Available with up to 216 fibers. Length markings in meters for easy determination of cable length.

Applications:

- Medium to high fiber count requirements
- Inter-building duct installations
- Lashed aerial
- Industrial outside plant (OSP Type)



Name	Construction	Fiber Count	Cable OD		Weight		Tensile Strength lsb-f			
			mm	in.	Kg/km	lb/1000 ft.	Installation		Operation	
Unitized 6-Fiber Sub-Units		6	10.5	0.41	87	59	2700	600	890	200
Unitized 12-Fiber Sub-Units		12	10.5	0.41	87	59	2700	600	890	200
		24								
		36								
		48								
		72	11.5	0.45	106	71				
		96	13.2	0.52	136	91				
		144	17	0.67	220	148				

Above specifications provide a general representation for the product family. Improved specifications may exist for Riser, Plenum or LSZH constructions. Consult individual technical data sheets for exact specifications.

Fiber Count	Belden Part Number				
	OM1	OM2	OM3	OM4	OS2
Outdoor					
6	FS1L006NF	FS2L006NF	FS3L006NF	FS4L006NF	FSSL006NF
12	FS1L012NG	FS2L012NG	FS3L012NG	FS4L012NG	FSSL012NG
24	FS1L024NG	FS2L024NG	FS3L024NG	FS4L024NG	FSSL024NG
36	FS1L036NG	FS2L036NG	FS3L036NG	FS4L036NG	FSSL036NG
48	FS1L048NG	FS2L048NG	FS3L048NG	FS4L048NG	FSSL048NG
72	FS1L072NG	FS2L072NG	FS3L072NG	FS4L072NG	FSSL072NG
96	FS1L096NG	FS2L096NG	FS3L096NG	FS4L096NG	FSSL096NG
144	FS1L144NG	FS2L144NG	FS3L144NG	FS4L144NG	FSSL144NG

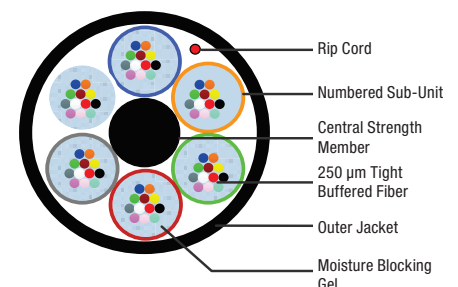
Jacket Specifications

Jacket Material	Outdoor	PE
Buffer Tube		PBT
Strength Member		Aramid Yarn
Central Strength Member		E-Glass
Color Code (Buffer)		Per TIA/EIA 598-B
Jacket Color		Black

Specifications

Temperature Range (Outdoor Series)	
Storage	-40°C to 75°C
Operating	-40°C to 70°C
Min. Bend Radius	
Installation	20 x OD
Long Term	15 x OD

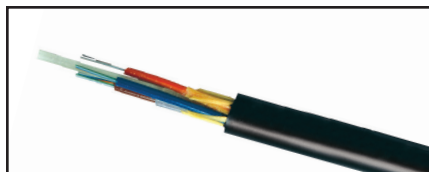
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Compliance

- TIA/EIA-568-C.3
- ICEA S-87-640
- GR-20-CORE

Single-Jacket, All Dielectric Loose Tube Cables (continued) Loose Tube — Indoor/Outdoor Riser



Jacket Specifications

Jacket Material	PVC
Buffer Tube	PBT
Strength Member	Aramid Yarn
Central Strength Member	E-Glass
Color Code (Buffer)	Per TIA/EIA 598-B
Jacket Color	Black

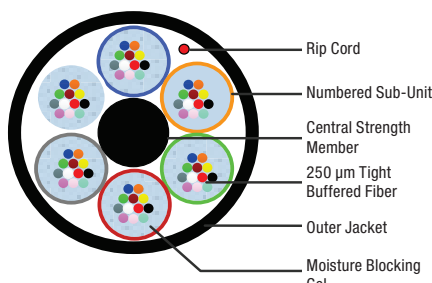
Ratings

Riser	
UL Type	OFNR
cUL Type	OFN FT4
Flame Resistance	UL 1666

Specifications

Min. Bend Radius	
Installation	20 x OD
Long Term	15 x OD
Temperature Range (Riser Series)	
Storage	-40°C to 75°C
Operating	-40°C to 70°C

Legend



Compliance

- TIA/EIA-568-C.3
- ICEA S-104-696
- GR-20-CORE

Gel-filled buffer tube prevents water migration. All-dielectric strength member. Available as Riser rated cable, thereby eliminating the need for service entrance splicing to in-building cable. Full dielectric construction, no grounding required. Available with up to 216 fibers. Length markings in meters for easy determination of cable length.

Applications:

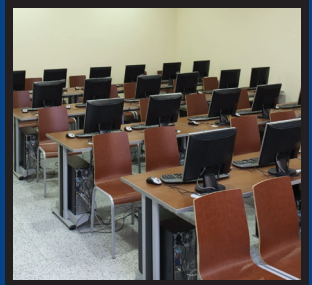
- Medium to high fiber count requirements
- Inter-building duct installations
- Lashed aerial
- Indoor/outdoor

Name	Construction	Fiber Count	Cable OD		Weight		Tensile Strength lsb-f			
			mm	in.	Kg/km	lb/1000 ft.	Installation		Operation	
							N	lbs-f	N	lbs-f
Unitized 6-Fiber Sub-Units		6	12.9	0.51	164	110	2700	600	890	200
Unitized 12-Fiber Sub-Units		12	12.9	0.51	164	110	2700	600	890	200
		24								
		36								
		48								
		72	13.7	0.54	190	128				
Unitized 12-Fiber Sub-Units		96	15.5	0.61	237	159	2700	600	890	200
		144	19.3	0.76	361	243				
		144	19.3	0.76	361	243				

Above specifications provide a general representation for the product family. Improved specifications may exist for Riser, Plenum or LSZH constructions. Consult individual technical data sheets for exact specifications.

No. of Fibers	No. of Fibers Per Bundle	Smart Part to Legacy Part Number Cross				
		OM1	OM2	OM3	OM4	OS2
Riser (NEC/CEC OFNR/OFN FT.4) Indoor/Outdoor						
6	6	FD1L006RF	FD2L006RF	FD3L006RF	FD4L006RF	FDSL006RF
12	12	FD1L012RG	FD2L012RG	FD3L012RG	FD4L012RG	FDSL012RG
24	12	FD1L024RG	FD2L024RG	FD3L024RG	FD4L024RG	FDSL024RG
36	12	FD1L036RG	FD2L036RG	FD3L036RG	FD4L036RG	FDSL036RG
48	12	FD1L048RG	FD2L048RG	FD3L048RG	FD4L048RG	FDSL048RG
72	12	FD1L072RG	FD2L072RG	FD3L072RG	FD4L072RG	FDSL072RG
96	12	FD1L096RG	FD2L096RG	FD3L096RG	FD4L096RG	FDSL096RG
144	12	FD1L144RG	FD2L144RG	FD3L144RG	FD4L144RG	FDSL144RG

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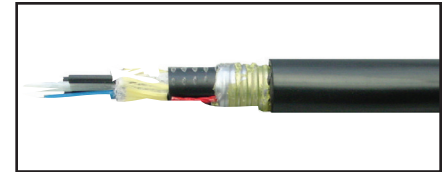
Double-Jacket, Armored Loose Tube Cables

Loose Tube – Outdoor

Gel-filled buffer tubes prevent water migration. Available as Riser rated cable, thereby eliminating the need for service entrance splicing to in-building cable. Rodent resistant. Available in sizes up to 216 fibers. Length markings in meters for easy determination of cable length.

Applications:

- Direct burial
- Low to high fiber count requirements
- Inter-building duct installations
- Industrial outside plant (OSP Type)



Name	Construction	Fiber Count	Cable OD		Weight		Tensile Strength lbf			
			mm	in.	Kg/km	lb/1000 ft.	Installation		Operation	
Unitized 6-Fiber Sub-Units		6	15.5	0.62	200	134	2670	600	890	200
Unitized 12-Fiber Sub-Units		12	15.5	0.62	200	134	2670	600	890	200
		24								
		36								
		48								
		72	16.4	0.65	206	138				
		96	18.2	0.72	254	170				
		144	22.9	0.9	385	259				

Above specifications provide a general representation for the product family. Improved specifications may exist for Riser, Plenum or LSZH constructions. Consult individual technical data sheets for exact specifications.

No. of Fibers	No. of Fibers Per Bundle	Belden Part Number				
		OM1	OM2	OM3	OM4	OS2
Outdoor						
6	6	FS1H0066F	FS2H0066F	FS3H0066F	FS4H0066F	FSSH0066F
12	12	FS1H0126G	FS2H0126G	FS3H0126G	FS4H0126G	FSSH0126G
24	12	FS1H0246G	FS2H0246G	FS3H0246G	FS4H0246G	FSSH0246G
36	12	FS1H0366G	FS2H0366G	FS3H0366G	FS4H0366G	FSSH0366G
48	12	FS1H0486G	FS2H0486G	FS3H0486G	FS4H0486G	FSSH0486G
72	12	FS1H0726G	FS2H0726G	FS3H0726G	FS4H0726G	FSSH0726G
96	12	FS1H0966G	FS2H0966G	FS3H0966G	FS4H0966G	FSSH0966G
144	12	FS1H1446G	FS2H1446G	FS3H1446G	FS4H1446G	FSSH1446G

Jacket Specifications

Jacket Material

Outdoor	PE
Riser	PVC

Buffer Tube

Thermoplastic

Strength Member

Aramid Yarn

Central Strength Member

E-Glass

Armor

Corrugated Steel Tape

Color Code (Buffer)

Per TIA/EIA 598-B

Jacket Color

Black

Specifications

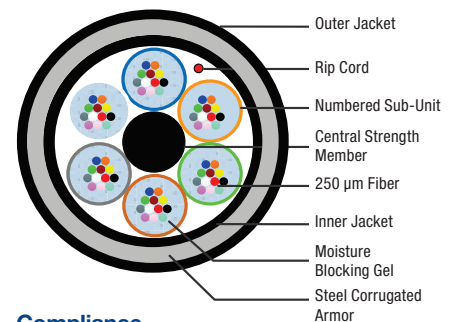
Temperature Range (Outdoor)

Storage	-40°C to 75°C
Operating	-40°C to 70°C

Min. Bend Radius

Installation	20 x OD
Long Term	15 x OD

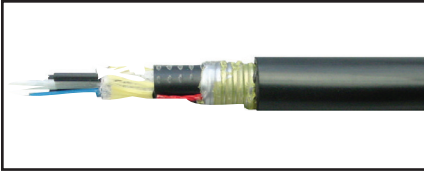
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Compliance

- TIA/EIA-568-C.3
- ICEA S-87-640
- GR-20-CORE

Double-Jacket, Armored Loose Tube Cables (continued) Loose Tube – Indoor/Outdoor Riser Rated



Gel-filled buffer tubes prevent water migration. Available as Riser rated cable, thereby eliminating the need for service entrance splicing to in-building cable. Rodent resistant. Available in sizes up to 216 fibers. Length markings in meters for easy determination of cable length.

Applications:

- Direct burial
- Low to high fiber count requirements
- Inter-building duct installations
- Indoor/outdoor

Jacket Specifications

Jacket Material	PVC
Buffer Tube	Thermoplastic
Strength Member	Aramid Yarn
Central Strength Member	E-Glass
Armor	Corrugated Steel Tape
Color Code (Buffer)	Per TIA/EIA 598-B
Jacket Color	Black

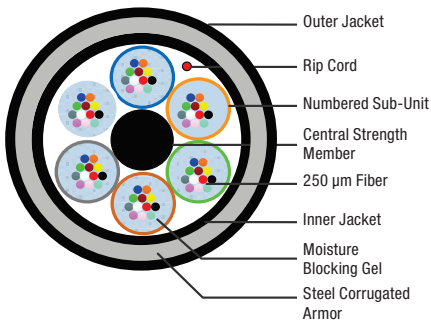
Ratings

Riser	OFCR
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Specifications

Temperature Range (Riser)	
Storage	-40°C to 80°C
Operating	-40°C to 70°C
Min. Bend Radius	
Installation	20 x OD
Long Term	15 x OD

Legend



Compliance

- TIA/EIA-568-C.3
- ICEA S-104-696
- GR-20-CORE

Name	Construction	Fiber Count	Cable OD		Weight		Tensile Strength lsb-f			
			mm	in.	Kg/km	lb/1000 ft.	Installation		Operation	
Unitized 6-Fiber Sub-Units		6	13.7	0.54	205	138	2700	600	890	200
Unitized 12-Fiber Sub-Units		12	13.7	0.54	205	138	2700	600	890	200
		24								
		36								
		48								
		72	16.8	0.66	256	172				
		96	17.8	0.7	307	206				
		144	22.4	0.88	449	302				

Above specifications provide a general representation for the product family. Improved specifications may exist for Riser, Plenum or LSZH constructions. Consult individual technical data sheets for exact specifications.

No. of Fibers	No. of Fibers Per Bundle	Belden Part Number				
		OM1	OM2	OM3	OM4	OS2
Riser (NEC/CEC OFCR/OFC FT.4) Indoor/Outdoor						
6	6	FD1H0065F	FD2H0065F	FD3H0065F	FD4H0065F	FDSH0065F
12	12	FD1H0125G	FD2H0125G	FD3H0125G	FD4H0125G	FDSH0125G
24	12	FD1H0245G	FD2H0245G	FD3H0245G	FD4H0245G	FDSH0245G
36	12	FD1H0365G	FD2H0365G	FD3H0365G	FD4H0365G	FDSH0365G
48	12	FD1H0485G	FD2H0485G	FD3H0485G	FD4H0485G	FDSH0485G
72	12	FD1H0725G	FD2H0725G	FD3H0725G	FD4H0725G	FDSH0725G
96	12	FD1H0965G	FD2H0965G	FD3H0965G	FD4H0965G	FDSH0965G
144	12	FD1H1445G	FD2H1445G	FD3H1445G	FD4H1445G	FDSH1445G

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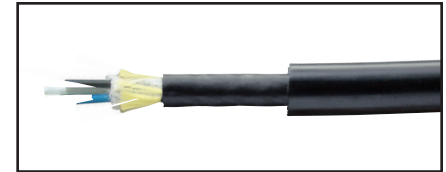
Double-Jacket, Heavy-Duty Loose Tube Cables

Loose Tube — Outdoor

Gel-filled buffer tubes prevent water migration. Available with up to 216 fibers.

Applications:

- Direct burial
- Harsh environments
- Applications requiring good ozone-, moisture- and weather-resistance



Name	Construction	Fiber Count	Cable OD		Weight		Tensile Strength lsb-f							
							Installation		Operation					
			mm	in.	Kg/km	lb/1000 ft.	N	lbs-f	N	lbs-f				
Unitized 12-Fiber Sub-Units		2	12.5	0.49	125	84	2700	600	890	200				
		4												
		6												
Unitized 12-Fiber Sub-Units		12	12.5	0.49	125	84	2700	600	890	200				
		24												
		36												
		48												
		72	13.4	0.53	144	97								
		96	15.2	0.6	180	121								
		144	19	0.75	274	184								
		192	19	0.75	274	184								
		240												
		288												

Above specifications provide a general representation for the product family. Improved specifications may exist for Riser, Plenum or LSZH constructions. Consult individual technical data sheets for exact specifications.

No. of Fibers	No. of Fibers Per Bundle	Belden Part Number				
		OM1	OM2	OM3	OM4	OS2
Outdoor						
2	2	FS1H002NF	FS2H002NF	FS3H002NF	FS4H002NF	FSSH002NF
4	4	FS1H004NF	FS2H004NF	FS3H004NF	FS4H004NF	FSSH004NF
6	6	FS1H006NF	FS2H006NF	FS3H006NF	FS4H006NF	FSSH006NF
8	8	FS1H008NG	FS2H008NG	FS3H008NG	FS4H008NG	FSSH008NG
12	12	FS1H012NG	FS2H012NG	FS3H012NG	FS4H012NG	FSSH012NG
18	12	FS1H018NG	FS2H018NG	FS3H018NG	FS4H018NG	FSSH018NG
24	12	FS1H024NG	FS2H024NG	FS3H024NG	FS4H024NG	FSSH024NG
36	12	FS1H036NG	FS2H036NG	FS3H036NG	FS4H036NG	FSSH036NG
48	12	FS1H048NG	FS2H048NG	FS3H048NG	FS4H048NG	FSSH048NG
72	12	FS1H072NG	FS2H072NG	FS3H072NG	FS4H072NG	FSSH072NG
96	12	FS1H096NG	FS2H096NG	FS3H096NG	FS4H096NG	FSSH096NG
144	12	FS1H144NG	FS2H144NG	FS3H144NG	FS4H144NG	FSSH144NG
216	12	FS1H216NG	FS2H216NG	FS3H216NG	FS4H216NG	FSSH216NG

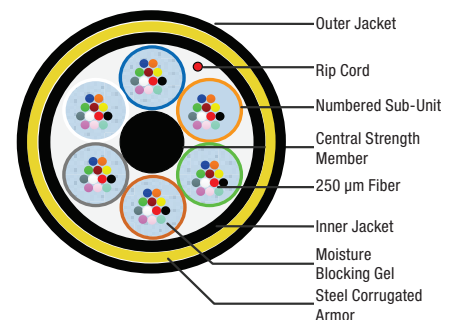
Jacket Specifications

Jacket Material	Outdoor	PE
Buffer Tube		PBT
Strength Member		Aramid Yarn
Central Strength Member		E-Glass
Core Wrap		Water Swellable Tape
Color Code (Buffer)		Per TIA/EIA 598-B
Jacket Color		Black

Specifications

Temperature Range		
Storage		-40°C to 75°C
Operating		-40°C to 70°C
Min. Bend Radius		
Installation		20 x OD
Long Term		15 x OD

Legend



Compliance

- TIA/EIA-568-C.3
- ICEA S-87-640
- GR-20-CORE

Central Tube Cables

Loose Tube — Outdoor, and Outdoor Armored



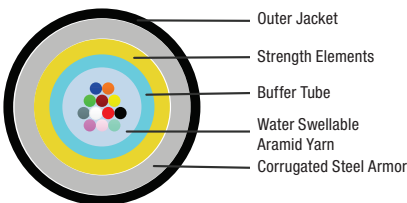
Jacket Specifications

Jacket Material	PE
Buffer Tube	PBT
Core Wrap	Water Swellable Tape
Strength Member	Fiberglass
Armor	Corrugated Steel Tape
Color Code (Buffer)	Per TIA/EIA 598-B
Jacket Color	Black

Specifications

Temperature Range	
Storage	-40°C to 75°C
Operating	-40°C to 70°C
Min. Bend Radius	
Installation	20 x OD
Long Term	15 x OD

Legend



Compliance

- TIA/EIA-568-C.3
- GR-20-CORE
- ICEA S-87-640

Economical option for low fiber counts. Quick and easy end preparation. Fully waterblocked with gel-filled buffer tube. No rods – easy handling. Crush, impact and abrasion resistant.

Applications:

- Campus OSP backbones
- Drop cable
- Telecommunications and data trunk
- Direct burial (armored only)
- Lashed aerial

Name	Construction	Fiber Count	Cable OD		Weight		Tensile Strength lsb-f			
							Installation		Operation	
			mm	in.	Kg/km	lb/1000 ft.	N	lbs-f	N	lbs-f
Outdoor										
Single Subunit		2	7.8	0.31	50	34	2700	600	890	200
		4								
		6								
		8								
		12								
		24								

Above specifications provide a general representation for the product family. Improved specifications may exist for Riser, Plenum or LSZH constructions. Consult individual technical data sheets for exact specifications.

No. of Fibers	Belden Part Number				
	OM1	OM2	OM3	OM4	OS2
Outdoor					
2	FS1C002N0	FS2C002N0	FS3C002N0	FS4C002N0	FSSC002N0
4	FS1C004N0	FS2C004N0	FS3C004N0	FS4C004N0	FSSC004N0
6	FS1C006N0	FS2C006N0	FS3C006N0	FS4C006N0	FSSC006N0
8	FS1C008N0	FS2C008N0	FS3C008N0	FS4C008N0	FSSC008N0
10	FS1C010N0	FS2C010N0	FS3C010N0	FS4C010N0	FSSC010N0
12	FS1C012N0	FS2C012N0	FS3C012N0	FS4C012N0	FSSC012N0
24	FS1C024N0	FS2C024N0	FS3C024N0	FS4C024N0	FSSC024N0

Name	Construction	Fiber Count	Cable OD		Weight		Tensile Strength lsb-f			
			mm	in.	Kg/km	lb/1000 ft.	Installation		Operation	
							N	lbs-f	N	lbs-f
Outdoor Armored										
Single Subunit		2	12.2	0.48	140	95	2700	600	890	200
		4								
		6								
		8								
		12								
		24								

Above specifications provide a general representation for the product family. Improved specifications may exist for Riser, Plenum or LSZH constructions. Consult individual technical data sheets for exact specifications.

No. of Fibers	Belden Part Number				
	OM1	OM2	OM3	OM4	OS2
Outdoor Armored					
2	FS1C00260	FS2C00260	FS3C00260	FS4C00260	FSSC00260
4	FS1C00460	FS2C00460	FS3C00460	FS4C00460	FSSC00460
6	FS1C00660	FS2C00660	FS3C00660	FS4C00660	FSSC00660
8	FS1C00860	FS2C00860	FS3C00860	FS4C00860	FSSC00860
10	FS1C01060	FS2C01060	FS3C01060	FS4C01060	FSSC01060
12	FS1C01260	FS2C01260	FS3C01260	FS4C01260	FSSC01260
24	FS1C02460	FS2C02460	FS3C02460	FS4C02460	FSSC02460