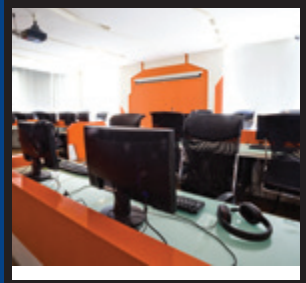


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Single Jacket, All Dielectric Loose Tube Cables

Loose Tube – Outdoor, and Indoor/Outdoor Riser & LSZH Rated

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
- Industrial outside plant (OSP Type)

Jacket Specifications

Jacket Material

Outdoor PE
Riser PVC

Buffer Tube PBT

Strength Member Aramid Yarn

Central Strength Member E-Glass

Color Code (Buffer) Per TIA/EIA 598-B,
See page 39

Jacket Color Black

Ratings

Riser

UL Type OFNR
cUL Type OFN FT.4
Flame Resistance UL 1666

Specifications

Temperature Range (Outdoor Series)

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

Temperature Range (Riser Series)

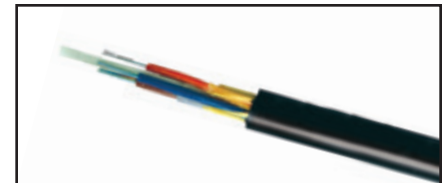
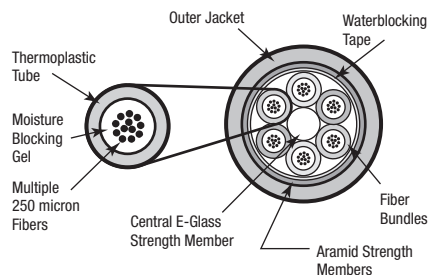
Storage -40°C to 75°C
Operating -40°C to 70°C

Min. Bend Radius

Installation 20 x OD
Long Term 15 x OD

Optical Specifications See page 33

Legend



Single Jacket, All Dielectric Optical Fiber Cable

Compliance

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

Functional Requirements

- GR-20-CORE
- GR-409-CORE

Single Jacket, All Dielectric Loose Tube Cables (continued) Loose Tube – Outdoor, and Indoor/Outdoor Riser Rated



Loose Tube Series

No. of Fibers	No. of Fibers Per Bundle	Belden Part Number					Outside Diameter		Weight		Max. Install Load	
		OM1 62.5 / 125 μm Std. / 1 Gb	OM2 50 / 125 μm Std. / 1 Gb	OM3 50 / 125 μm 10 Gb – 300 m	OM4 50 / 125 μm 10 Gb – 550 m	OS2 Singlemode Enhanced	Inch	mm	lb/1000 ft	kg/km	lb	N
Outdoor												
6	6	B9B510T	B9A510T	B9C510T	B9E510T	B9W510T	0.41	10.5	56	84	600	2700
12	12	B9B511T	B9A511T	B9C511T	B9E511T	B9W511T	0.41	10.5	56	84	600	2700
24	12	B9B500T	B9A500T	B9C500T	B9E500T	B9W500T	0.41	10.5	57	85	600	2700
36	12	B9B502T	B9A502T	B9C502T	B9E502T	B9W502T	0.41	10.5	58	86	600	2700
48	12	B9B505T	B9A505T	B9C505T	B9E505T	B9W505T	0.41	10.5	59	87	600	2700
72	12	B9B507T	B9A507T	B9C507T	B9E507T	B9W507T	0.45	11.5	71	106	600	2700
96	12	B9B513T	B9A513T	B9C513T	B9E513T	B9W513T	0.52	13.2	91	136	600	2700
144	12	B9B509T	B9A509T	B9C509T	B9E509T	B9W509T	0.67	17.0	148	220	600	2700
216	12	B9B520T	B9A520T	B9C520T	B9E520T	B9W520T	0.69	17.4	150	224	600	2700
Riser (NEC/CEC OFNR/OFN FT.4) Indoor/Outdoor												
6	6	B9B810	B9A810	B9C810	B9E810	B9W810	0.51	12.9	107	157	600	2700
12	12	B9B811	B9A811	B9C811	B9E811	B9W811	0.51	12.9	108	160	600	2700
24	12	B9B812	B9A812	B9C812	B9E812	B9W812	0.51	12.9	108	161	600	2700
36	12	B9B813	B9A813	B9C813	B9E813	B9W813	0.51	12.9	109	162	600	2700
48	12	B9B814	B9A814	B9C814	B9E814	B9W814	0.51	12.9	110	164	600	2700
72	12	B9B815	B9A815	B9C815	B9E815	B9W815	0.54	13.7	128	190	600	2700
96	12	B9B816	B9A816	B9C816	B9E816	B9W816	0.61	15.5	159	237	600	2700
144	12	B9B817	B9A817	B9C817	B9E817	B9W817	0.76	19.3	243	361	600	2700

Alternative fiber counts are available.



Loose Tube Indoor/Outdoor Fiber Optic Cable

No. of Fibers	No. of Fibers Per Bundle	Belden Part Number					Outside Diameter		Weight		Max. Install Load	
		OM1 62.5 / 125 μm Std. / 1 Gb	OM2 50 / 125 μm Std. / 1 Gb	OM3 50 / 125 μm 10 Gb – 300 m	OM4 50 / 125 μm 10 Gb – 550 m	OS2 Singlemode Enhanced	Inch	mm	lb/1000 ft	kg/km	lb	N
LSZH (NEC/CEC OFNR/OFN FT.4) Indoor/Outdoor												
6	6	B9B830	B9A830	B9C830	B9E830	B9W830	0.38	9.65	71	105	600	2700
12	12	B9B831	B9A831	B9C831	B9E831	B9W831	0.38	9.65	71	105	600	2700
24	12	B9B832	B9A832	B9C832	B9E832	B9W832	0.38	9.65	71	105	600	2700
36	12	B9B833	B9A833	B9C833	B9E833	B9W833	0.38	9.65	62	92	600	2700
48	12	B9B834	B9A834	B9C834	B9E834	B9W834	0.48	12.18	101	151	600	2700

Faster.
Easier.
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Single Jacket, All Dielectric Loose Tube Cables (continued)

Loose Tube – (Gel-free) Indoor/Outdoor Plenum Rated

Dry waterblocking technology used within tubes and under jacket. Available as Plenum rated cable, thereby eliminating the need for service entrance splicing to in-building cable. Small diameter and bend radius facilitate installation in tight spaces. Full dielectric construction, no grounding required. Available with up to 144 fibers. Fibers grouped into sets of 12 for maximum density. 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
- Campus backbones
- Data Centers
- High Density Cable Trays

Jacket Specifications

Jacket Material

Non-unitized
Unitized

Thermoplastic
PVDF-Copolymer

Buffer Tube

Thermoplastic

Strength Member

E-Glass and
Aramid Yarn

Central Strength Member

Upjacketed

Color Code (Fiber)

Per TIA/EIA 598-B,
See page 39

Jacket Color

Black

Ratings

Plenum

UL Type	OFNP
cUL Type	OFN FT.6
Flame Resistance	NFPA 262

Specifications

Temperature Range

Storage	-40°C to 80°C
Operating	-40°C to 70°C
Installation	0°C to 60°C

Cyclic Flexing

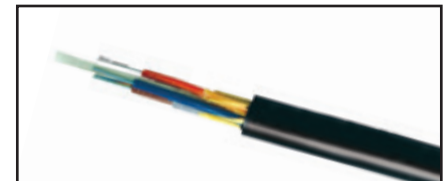
(EIA-455-104) 2000 cycles, min.

Min. Bend Radius

Installation	20 x OD
Long Term	15 x OD

Optical Specifications

See page 33



Single Jacket, All Dielectric Optical Fiber Cable

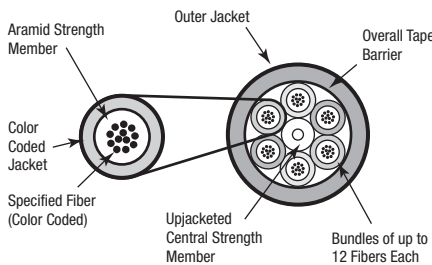
Compliance

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

Functional Requirements

- GR-20-CORE
- GR-409-CORE

Legend



Loose Tube Series

No. of Fibers	No. of Fibers Per Bundle	Belden Part Number					Outside Diameter		Weight		Max. Install Load	
		OM1 62.5 / 125 μm Std. / 1 Gb	OM2 50 / 125 μm Std. / 1 Gb	OM3 50 / 125 μm 10 Gb – 300 m	OM4 50 / 125 μm 10 Gb – 550 m	OS2 Singlemode Enhanced	Inch	mm	lb/1000 ft	kg/km	lb	N
Plenum (NEC/CEC OFNP/OFN FT.6) Indoor/Outdoor												
6	6	B9B202	B9A202	B9C202	B9E202	B9W202	0.265	6.70	33	49	320	1423
12	12	B9B204	B9A204	B9C204	B9E204	B9W204	0.265	6.70	33	49	320	1423
24	12	B9B205	B9A205	B9C205	B9E205	B9W205	0.359	9.12	47	70	405	1801
36	12	B9B206	B9A206	B9C206	B9E206	B9W206	0.359	9.12	47	70	405	1801
48	12	B9B207	B9A207	B9C207	B9E207	B9W207	0.359	9.12	48	71	405	1801
72	12	B9B209	B9A209	B9C209	B9E209	B9W209	0.429	10.90	72	107	600	2700
96	12	B9B211	B9A211	B9C211	B9E211	B9W211	0.501	12.73	102	152	600	2700
144	12	B9B215	B9A215	B9C215	B9E215	B9W215	0.665	16.89	191	284	600	2700

Alternative fiber counts and hybrid constructions are available.