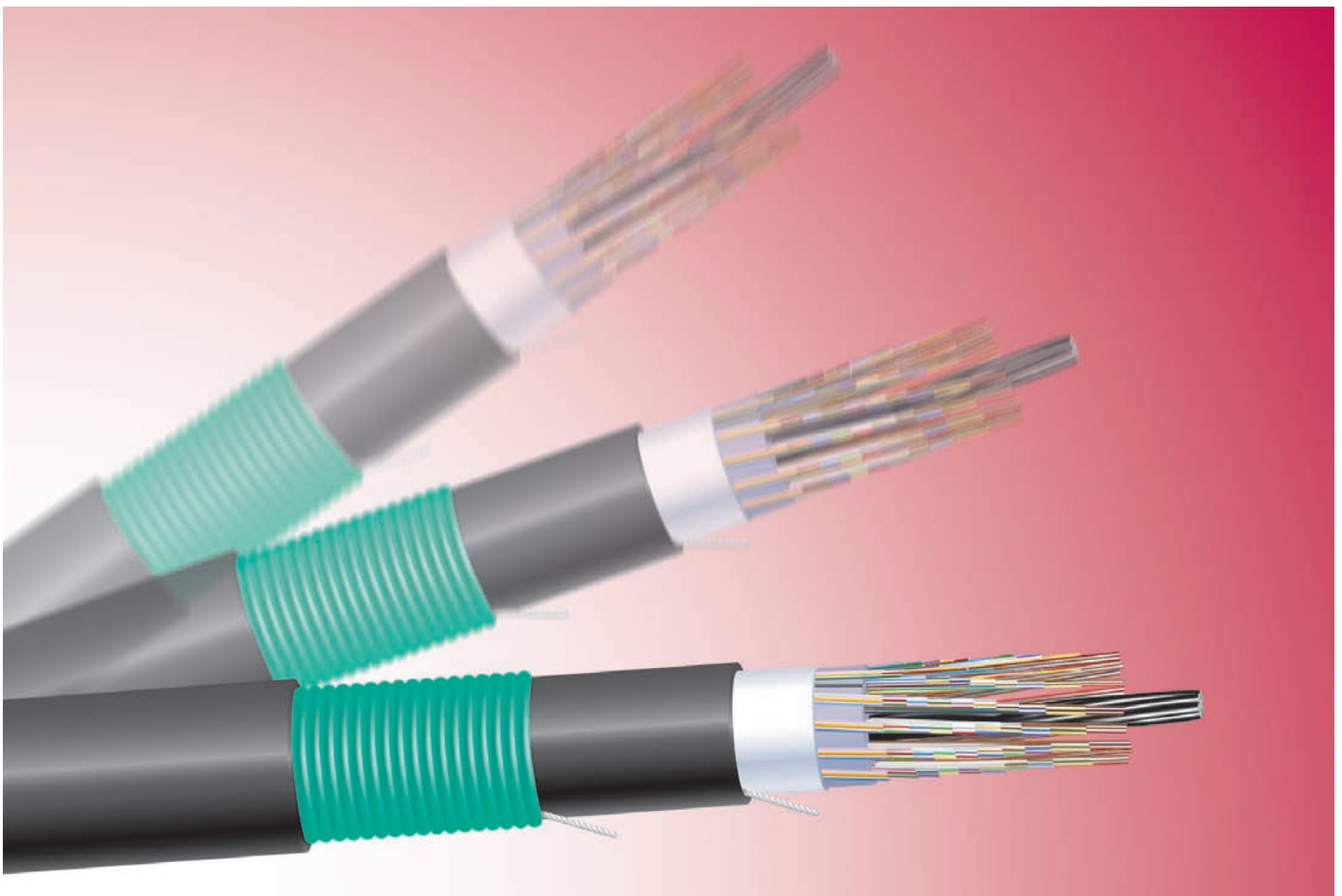
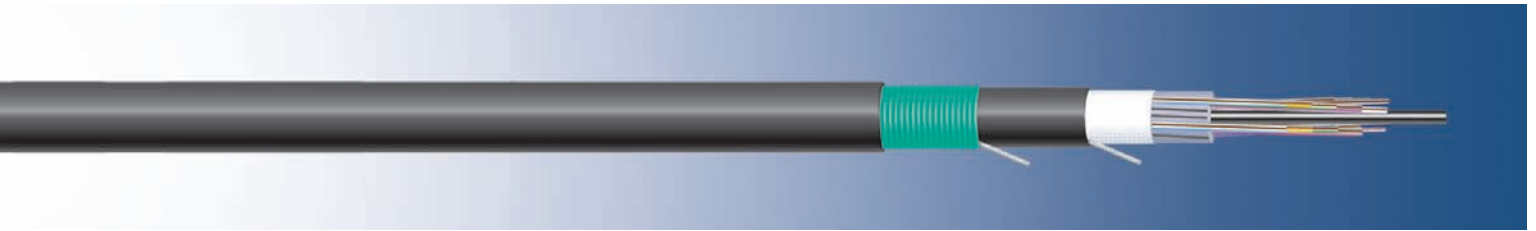


Optical Fiber Ribbon Slotted Core Cable

(Armored Structure for Direct Buried Application)



● Armored Structure for Direct Buried Application



Outline

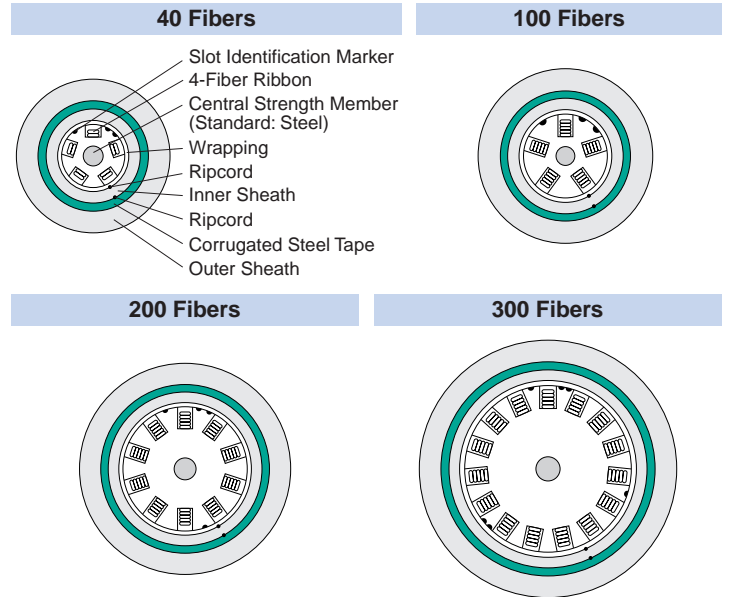
Corrugated steel tape is applied around the PE sheath cable, which accommodates 4-fiber ribbon. Armor structure provides additional compressive strength, designed for direct buried application.

Features & Advantages

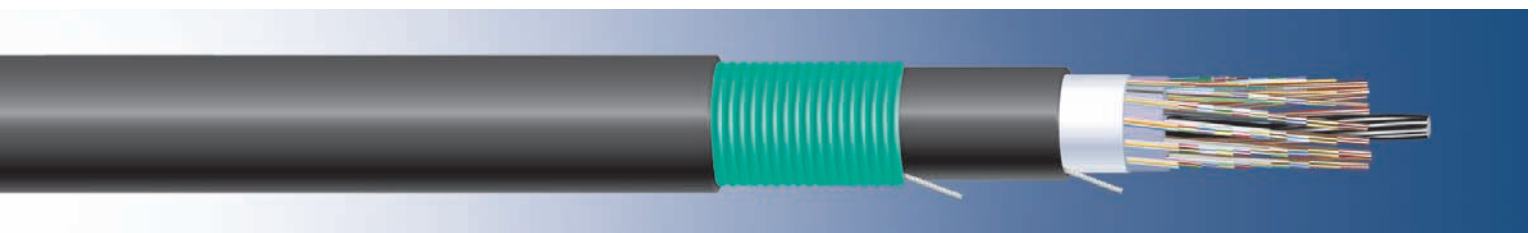
- Using 4-fiber ribbon.
- Cost-effective mass fusion splicing
- Totally dry core enhance operation for splicing
- Proven slotted core design provides outstanding optical fiber protection
- Armored structure provides outstanding mechanical strength and enhance rodent protection

*Remarks

Cross Sectional View of Cable



● Armored Structure for Direct Buried Application



Outline

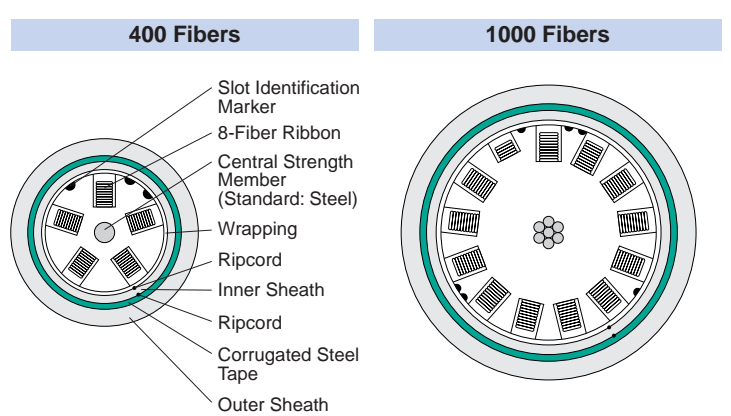
Corrugated steel tape is applied around the PE sheath cable, which accommodates 8-fiber ribbon. Armor structure provides additional compressive strength, designed for direct buried application.

Features & Advantages

- Using 8-fiber ribbon.
- More cost-effective mass fusion splicing
- Totally dry core enhance operation for splicing
- Proven slotted core design provides outstanding optical fiber protection
- Armored structure provides outstanding mechanical strength and enhance rodent protection

*Remarks

Cross Sectional View



- *Remarks
- Corrugated stainless armored cable is also available
 - Stripe(s) on the sheath for discernment (Optional)
- * Abbreviation WB: Water Blocking

n (4-Fiber Ribbon)

Specification (4-Fiber Ribbon)

Item		Description			
Fiber Count		40	100	200	300
Ribbon	Type	4-Fiber Ribbon			
	Number	10	25	50	75
Central Strength Member	Material	Steel Wire			
	Number and Diameter of Strands (Nominal)	1 / 1.8mm		1 / 2.0mm	1 / 2.3mm
Slotted Core	Material	Polyethylene			
	Diameter (Approx.)	6.0mm	8.0mm	11.5mm	15.5mm
	Slot Identification	Stripes, Black Color			
Wrapping	Material	Water Blocking Tape(s)			
Ripcord	Material	Plastic Thread(s)			
Inner Sheath	Material	Polyethylene, Black Color			
	Thickness (Nominal)	1.00mm			
Ripcord	Material	Plastic Thread(s)			
Armor	Material	Corrugated Steel Tape with Polymer Coating			
Outer Sheath	Material	Polyethylene, Black Color			
	Thickness (Nominal)	2.00mm			
Overall Cable Diameter (Approx.)		14.5mm	16.5mm	20.0mm	24.0mm
Cable Weight (Approx.)		195kg/km	240kg/km	350kg/km	485kg/km
Maximum Pulling Tension		1040N		1290N	1710N
Minimum Bending Radius	Static	145mm	165mm	200mm	240mm
	Dynamic	290mm	330mm	400mm	480mm
Operating Temperature Range		-30°C ~ +70°C			

Manufacturer may use additional suitable tape(s), thread(s) or filler(s) for manufacturer's reason.

The identification marking shall be applied on a suitable place.

- 1) Manufacturer's name and/or trademark
- 2) Year of manufacture

Length marking shall be printed on the cable sheath in one-meter interval.

n (8-Fiber Ribbon)

Specification (8-Fiber Ribbon)

Item		Description	
Fiber Count		400	1000
Ribbon	Type	8-Fiber Ribbon	
	Number	50	125
Central Strength Member	Material	Steel Wire	Steel Wire Strand
	Number and Diameter of Strands (Nominal)	1 / 2.6mm	7 / 1.2mm
Slotted Core	Material	Polyethylene	
	Diameter (Approx.)	15.0mm	24.5mm
	Slot Identification	Stripes, Black Color	
Wrapping	Material	Water Blocking Tape(s)	
Ripcord	Material	Plastic Thread(s)	
Inner Sheath	Material	Polyethylene, Black Color	
	Thickness (Nominal)	1.00mm	
Ripcord	Material	Plastic Thread(s)	
Armor	Material	Corrugated Steel Tape with Polymer Coating	
Outer Sheath	Material	Polyethylene, Black Color	
	Thickness (Nominal)	2.00mm	
Overall Cable Diameter (Approx.)		23.0mm	33.0mm
Cable Weight (Approx.)		470kg/km	900kg/km
Maximum Pulling Tension		2180N	2710N
Minimum Bending Radius	Static	300mm	330mm
	Dynamic	600mm	660mm
Operating Temperature Range		-30°C ~ +70°C	

Manufacturer may use additional suitable tape(s), thread(s) or filler(s) for manufacturer's reason.

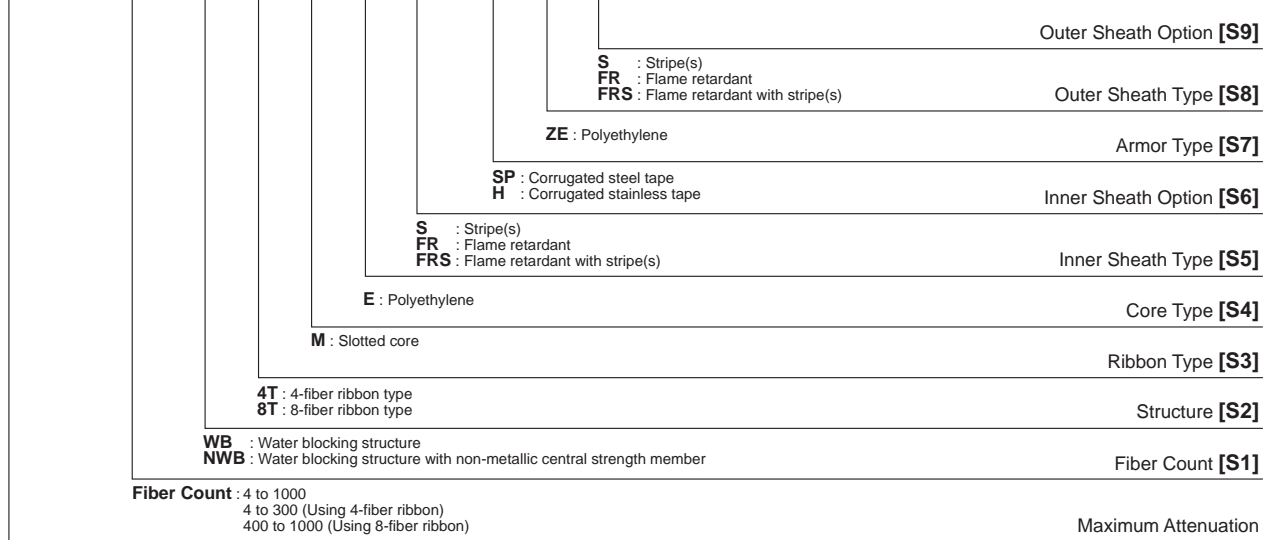
The identification marking shall be applied on a suitable place.

- 1) Manufacturer's name and/or trademark
- 2) Year of manufacture

Length marking shall be printed on the cable sheath in one-meter interval.

Ordering Information

S-045-030 × [S1] / [S2] [S3] [S4] [S5] [S6] — [S7] [S8] [S9]



S : Single mode optical fiber
045 : 0.45 dB/km @ 1310nm
030 : 0.30 dB/km @ 1550nm

Example

S-045-030×100/WB4TME-SPZES:
 100 single mode optical fiber slotted core cable.
 Steel wire for central strength member, water blocking structure, inner polyethylene sheath, corrugated steel tape armor, outer polyethylene sheath with stripe(s)

Please contact us for additional fiber and options.

————— *ISO 9001 Certified Manufacturer* —————



Furukawa Electric reserves the right to improve, enhance and modify the features and specifications of this product without prior notification.

<http://www.furukawa.co.jp>