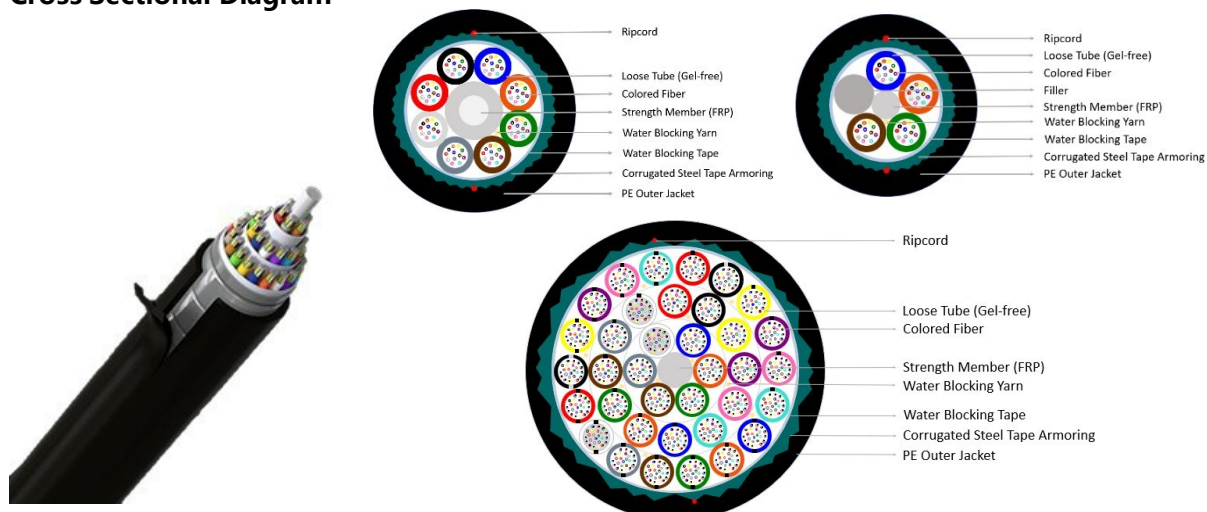


Peelable Steel Armored Cable (Gel-free)

12F~864F, Single-Mode, Colored Fiber, Loose Tube, Steel Tape Armoring, PE Jacket

Cross Sectional Diagram



Applications

- Outdoor duct and direct burial installations
- Campus and building-to-building backbone links
- Transportation infrastructure (railways, roads, tunnels)

Features

- High mechanical protection with steel armor
- Registered mark **PSAC**[®]
Peelable Steel Armored Cable
- Single armored construction for crush and rodent protection, with ripcords for easy stripping

Specifications

Mechanical Specifications												
Fiber Count	12	24	36	48	72	96	144	288	432	432	576	864
Fibers per Tube	12	12	12	12	12	12	12	12	12	24	24	24
Nominal Outer Diameter	11.4 mm (0.45 in)	11.4 mm (0.45 in)	11.4 mm (0.45 in)	11.4 mm (0.45 in)	12.2 mm (0.48 in)	13.5 mm (0.53 in)	16.8 mm (0.66 in)	19.8 mm (0.77 in)	22.6 mm (0.88 in)	19.8 mm (0.77 in)	22.5 mm (0.88 in)	25.7 mm (1.01 in)
Nominal Weight (kg/km [lb/1000 ft])	116 (78)	116 (78)	116 (78)	116 (78)	132 (89)	157 (105)	234 (157)	297 (200)	367 (246)	276 (185)	358 (241)	436 (293)
Max.Tensile Strength (Short-term/ Long-term)	2700 N / 800 N (607 lbf / 180 lbf)											
Crush Resistance	1000 N / 100 mm											
Min.Bend Radius- Installation	171 mm (6.7 in)	171 mm (6.7 in)	171 mm (6.7 in)	171 mm (6.7 in)	183 mm (7.2 in)	203 mm (7.9 in)	252 mm (9.9 in)	297 mm (11.6 in)	339 mm (13.3 in)	297 mm (11.6 in)	338 mm (13.3 in)	386 mm (15.1 in)
Min.Bend Radius- Operation	114 mm (4.48 in)	114 mm (4.48 in)	114 mm (4.48 in)	114 mm (4.48 in)	122 mm (4.80 in)	135 mm (5.31 in)	168 mm (6.61 in)	198 mm (7.79 in)	226 mm (8.89 in)	198 mm (7.79 in)	225 mm (8.85 in)	257 mm (10.11 in)



General Specifications

Fiber Coating	Colored
Fiber Type	Single-Mode (OS2)
Tube Type	Gel-free
Tube Material	PBT (Polybutylene Terephthalate)
Tube Strength Member	Water Blocking Yarn
Strength Member	FRP (Fiber Reinforced Plastic)
Armoring Material	Corrugated Steel tape
Outer Jacket Material	PE (Polyethylene)
Outer Jacket Color	Black*

*Subject to change upon request

Fiber Coloring

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
13	14	15	16	17	18	19	20	21	22	23	24
Blue*	Orange*	Green*	Brown*	Slate*	White*	Red*	Natural	Yellow*	Violet*	Pink*	Aqua*

Tube Coloring

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
13	14	15	16	17	18	19	20	21	22	23	24
Blue*	Orange*	Green*	Brown*	Slate*	White*	Red*	Black*	Yellow*	Violet*	Pink*	Aqua*
25	26	27	28	29	30	31	32	33	34	35	36
Blue**	Orange**	Green**	Brown**	Slate**	White**	Red**	Black**	Yellow**	Violet**	Pink**	Aqua**

Color order can be changed upon the customer's request

Environmental Conditions

Temperature Range – Installation	- 30°C to + 70°C (- 22°F to 158°F)
Temperature Range - Storage	- 40°C to + 70°C (- 40°F to 158°F)
Temperature Range - Operation	- 40°C to + 70°C (- 40°F to 158°F)

Optical Characteristics (Single-Mode)

Fiber Category	G652D, G657A1		
Wavelengths	1310 nm	1383 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.40 dB/km	0.25 dB/km

*The values of fiber attenuation loss change are the results measured after all tests have been completed



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