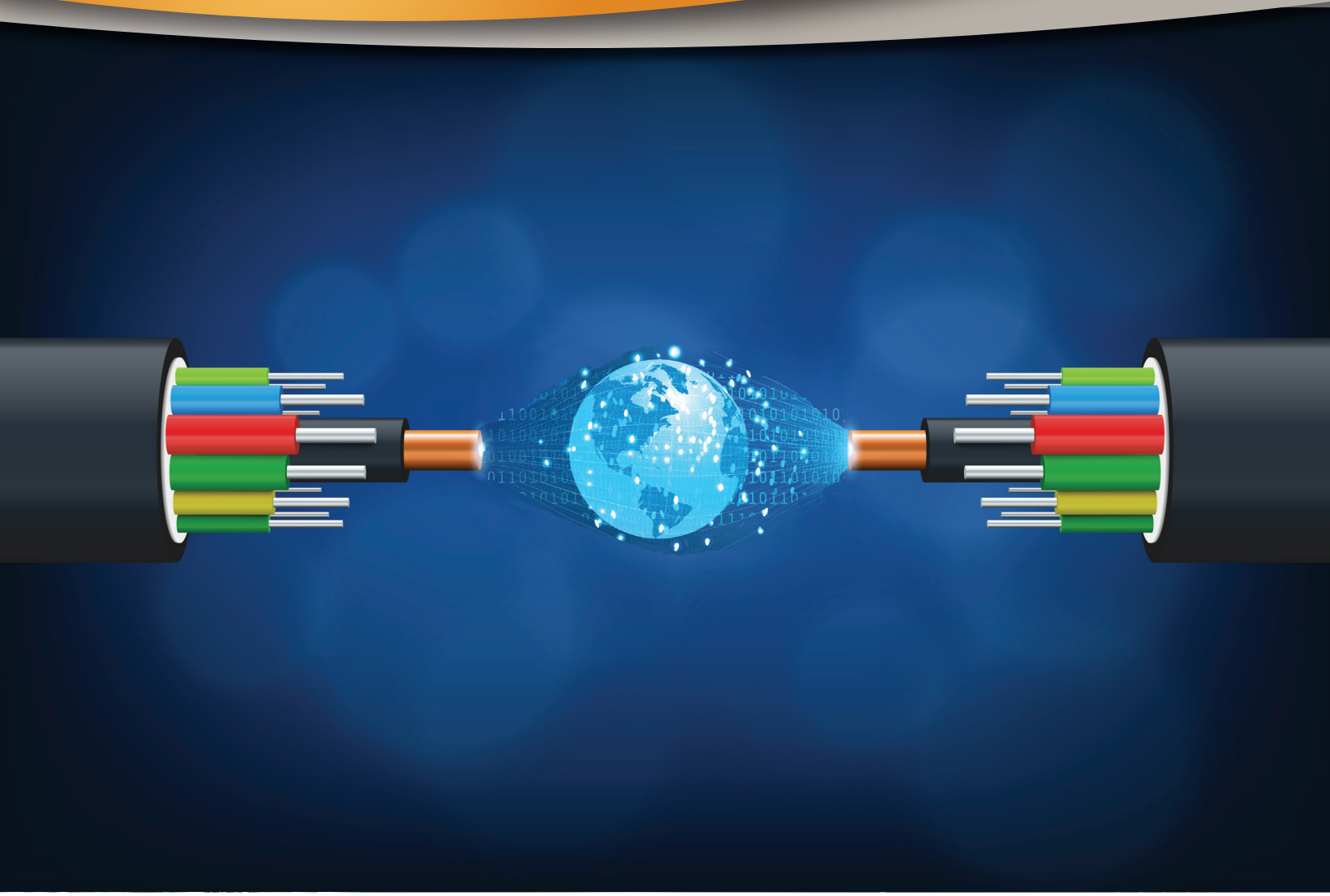
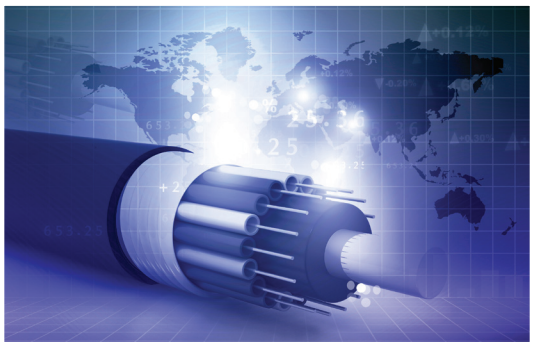
PRIORITY
WIRE & CABLE, INC.





FIBER OPTIC CABLE PRODUCTS

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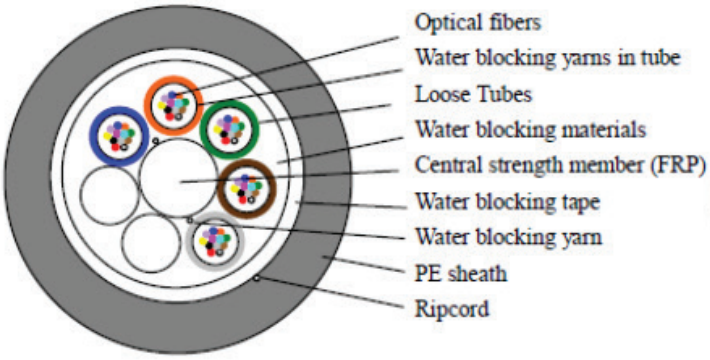
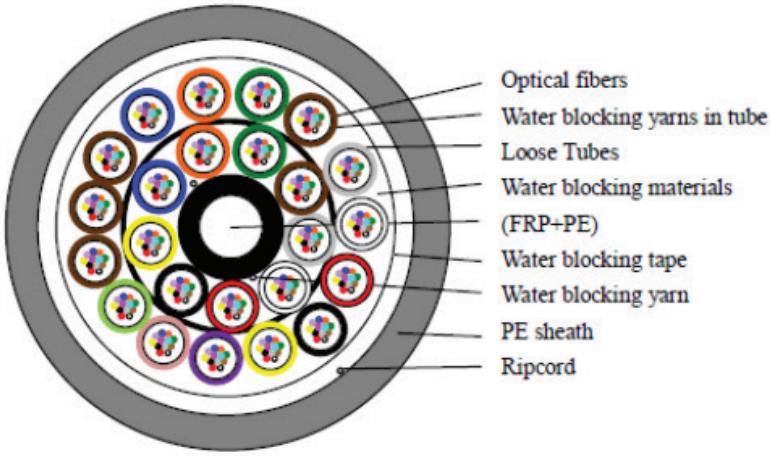
Single Jacket, Non-Armored PGYFY – All Dry Cable





Cable Description

Loose tubes with water blocking yarn assembled around dielectric central strength member; bind with polyester yarns and covered with water blocking tape; PE outer jacket overall

Cable Standards

Meeting requirements of standards GR-20-Core, ICEA S-87-640, IEC 60793, IEC 60794

Cable Construction

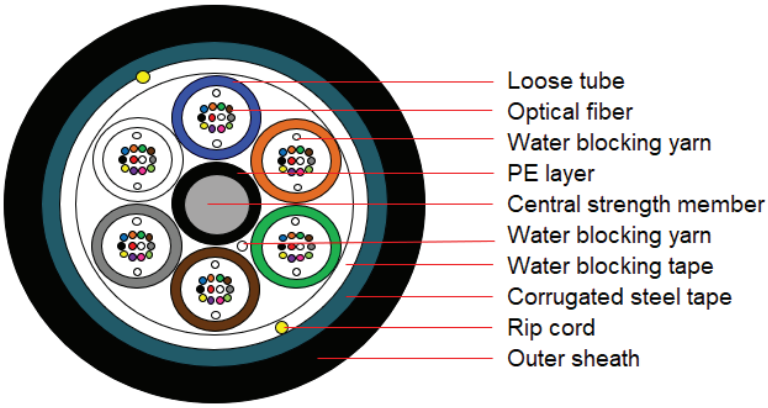
Item	Contents	Unit	Value				
Fiber count	Number	/	12/24/36/48	72	96	144	288
Cable structure	/	/	1+6	1+6	1+8	1+12	10+14
Fiber No. per tube	Number	/	12	12	12	12	12
Loose tube	Number	/	1/2/3/4	6	8	12	24
Central strength member	Material	/	Dielectric				
Cable diameter	±5%	in	0.472	0.472	0.504	0.622	0.736
Cable weight	±10%	lb/kft	74	71	79	118	190

Part Number: *-PGYFY-LT-SMF
Note: Substitute * for fiber count of 12, 24, 36, 48, 72, 96, 144, or 288

Technical Data

Item		Nominal Results
Tension for a Short time		2700N
Tension for a long time		800N
Short term lateral pressure		1000 N/100mm
Long term lateral pressure		300 N/100mm
Jacket dielectric resistance (immersion for 24 hours)		≥2000 MΩ.km
Jacket DC voltage withstand (immersion for 24 hours, no breakdown)		15KV for 2 min
Minimum Bending Radius (Installing)		25D
Minimum Bending Radius (Operating)		12.5D
Temperature	Installation	-10°C ~ +60°C
	Transportation and Operation	-40°C ~ +70°C

Single Jacket, Single Armored PGYS – All Dry Cable



Cable Description

Loose tubes with water blocking yarn assembled around metallic central strength member; bind with polyester yarns and covered with water blocking tape; steel corrugated armor applied over the core and a PE jacket overall.

Cable Standards

Meeting requirements of standards GR-20-Core, ICEA S-87-640, IEC 60793, IEC 60794

Cable Construction

Item	Contents	Unit	Value					
Fiber count	Number	/	12/24/48	72	96	144	192	196
Cable structure	/	/	1+6	1+6	1+8	1+12	1+6+12	1+6+12
Fiber No. per tube	Number	/	12	12	12	12	12	12/16+4/1
Loose tube	Number	/	1/2/4	6	8	12	16	17
Central strength member	Material	/	Steel wire with cushion					
Outer jacket	Nominal thickness	in	0.067	0.067	0.067	0.067	0.067	0.067
Cable diameter	±5%	in	0.484	0.484	0.547	0.673	0.673	0.673
Cable weight	±10%	lb/kft	95	96	120	167	157	157

Part Number: *-PGYS-LT-SMF
Note: Substitute * for fiber count of 12, 24, 36, 48, 72, 96, 144, 192, or 196

Mechanical & Environmental Performance

Item	Contents	Value
Max. tensile load	Short term	2700 N
	Long term	800 N
Max. crush resistance	Short term	4400 N/100mm
Min. bending radius	Installation	20 x cable diameter
	Operation	10 x cable diameter
Temperature range	Operation	-40°C ~ +70°C
	Installation	-30°C ~ +70°C
	Storage/transportation	-40°C ~ +75°C

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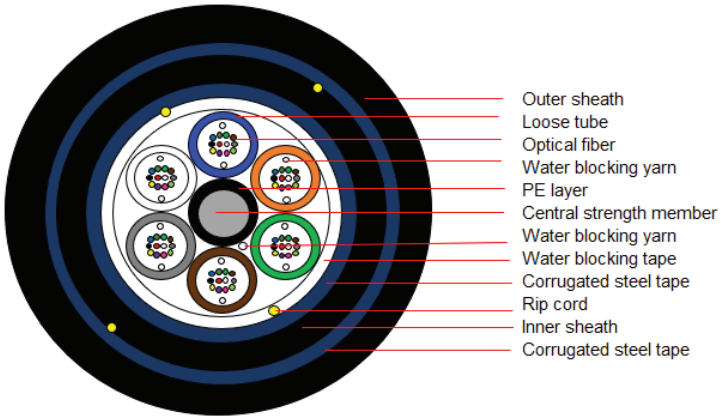
Double Jacket, Double Armored PGYS53 – All Dry Cable



Cable Description

Loose tube with water blocking yarn assembled around metallic central strength member; bind with polyester yarns and covered with water blocking tape; corrugated steel armor applied over the core, inner PE jacket, 2nd corrugated steel armor over the inner jacket, and outer PE jacket overall.

Cable Standards

Meeting requirements of standards GR-20-Core, ICEA S-87-640, IEC 60793, IEC 60794

Cable Construction

Item	Contents	Unit	Value		
Fiber count	Number	/	12/24/36/48/72	96	144
Cable structure	/	/	1+6	1+8	1+12
Fiber No. per tube	Number	/	12	12	12
Loose tube	Number	/	1/2/3/4/6	8	12
Central strength member	Material	/	Steel wire with cushion		
Outer jacket	Nominal thickness	in	0.067	0.067	0.067
Cable diameter	±5%	in	0.591	0.654	0.776
Cable weight	±10%	lb/kft	155	187	251

Part Number: *-PGYS53-LT-SMF
Note: Substitute * for fiber count of 12, 24, 36, 48, 72, 96, or 144

Mechanical & Environmental Performance

Item	Contents	Value
Max. tensile load	Short term	2700 N
	Long term	800 N
Max. crush resistance	Short term	4400 N/100mm
Min. bending radius	Installation	20 x cable diameter
	Operation	10 x cable diameter
Temperature range	Operation	-40°C ~ +70°C
	Installation	-30°C ~ +70°C
	Storage/transportation	-40°C ~ +75°C

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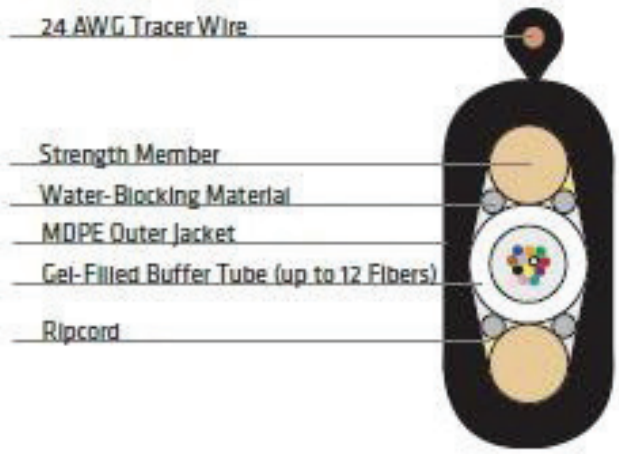
Toneable Flat Drop
PGYFBXTC8Y – Gel Filled Cable



Cable Description

Central tube construction, gel filled with two FRP strength members and PE outer jacket. A 24AWG tracer wire is extruded to the side of the cable.

Cable Standards

Meeting requirements of standards GR-20-Core, ICEA S-110-717, IEC 60793, IEC 60794

Cable Construction

Item	Contents	Unit	Value
Fiber count	Number	/	2~12
Cable structure	/	/	Flat Type
Central tube	Material	/	PBT
Outer jacket	Material	/	PE
Cable diameter (Height x Width)	±0.02	in	0.197 x 0.461
Cable weight	±10%	lb/kft	38

Part Number: *-PGYFBXTC8Y-FLAT DROP-T
Note: Substitute * for fiber count of 2 to 12

Mechanical & Environmental Performance

Item	Contents	Value
Max. tensile load	/	1336N
Max. crush resistance	Short term	1000N/100mm
	Long term	300N/100mm
Min. bending radius	Installation	250mm
	Operation	180mm
Temperature range	Operation	-40°C ~ +70°C
	Installation	-10°C ~ +60°C
	Storage/transportation	-40°C ~ +70°C

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Standard Fiber and Tube Colors:

No. of loose tube	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Color code of loose tube	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua	Blue	Orange	Green
12	12	Filler	Filler	Filler	Filler	Filler	Filler	\							
24	12	12	Filler	Filler	Filler	Filler	Filler	\							
36	12	12	12	Filler	Filler	Filler	Filler	\							
48	12	12	12	12	Filler	Filler	Filler	\							
60	12	12	12	12	12	Filler	Filler	\							
72	12	12	12	12	12	12	Filler	\							
96	12	12	12	12	12	12	12	12	\						
144	12	12	12	12	12	12	12	12	12	12	12	12	\		
288	12	12	12	12	12	12	12	12	12	\					
	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
The color code of fibers within each tube: blue, orange, green, brown, Grey, white, red, black, yellow, violet, pink and aqua.															
The color code shall be selected in sequence according to the fiber counts.															

Standard Optical Fiber Characteristics:

Item	Contents	Value
G.652D Optical characteristics		
Attenuation	@1310nm	≤0.35dB/km
	@1550nm	≤0.21dB/km
Dispersion	@1288nm~1339nm	≤3.5ps/(nm·km)
	@1550nm	≤18ps/(nm·km)
Zero-Dispersion wavelength		1300nm~1324nm
Zero-Dispersion slope		≤0.092ps/(nm^2·km)
Mode field diameter (MFD)	@1310nm	9.2±0.4μm
	@1550nm	10.4±0.5μm
Cable cutoff wavelength λcc(nm)		≤1260nm
Micro bending Attenuation	@1550nm (100turns;Φ60mm)	≤0.05dB
Link polarization dispersion (PMDQ)		≤0.1ps/km$^{1/2}$

All Fiber made to order. Contact your salesperson to request the details on ribbon, ADSS, and other types of Fiber.