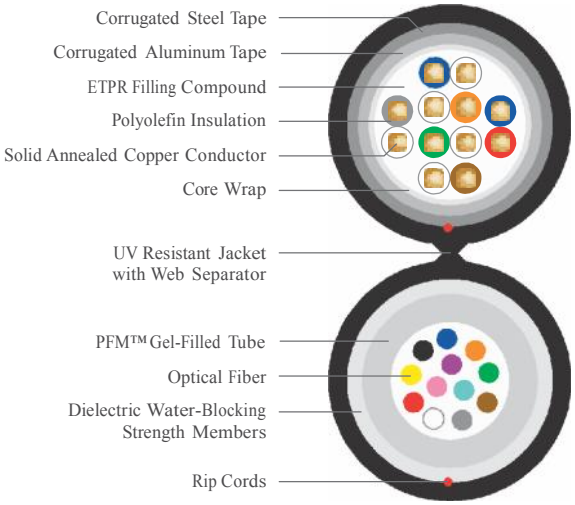
COMPOSITE OSP Web

Series 5V

Besten
Wire and Cable Corporation



Product Description

Series 5V Cables are designed for Outside Plant (OSP) broadband applications. These cables combine copper and optical fiber technologies into one composite cable and are suitable for voice, video and data communications. The copper cable offers the option of providing network power to eliminate the cost of local powering. The wide range of copper and fiber counts make this cable ideal for most projects.

The construction of this product combines an ANAW OSP copper cable and a Series 51 optical fiber cable. These independent cables are simultaneously jacketed in a polyethylene outer jacket with a rip cord included for ease of entry. The web connects the cables and can be easily split to direct the cables to different locations.

Applications

- Direct bury, conduit, lashed aerial

Features	Benefits
• Independent fiber and copper cables under one jacket	• Reduces labor cost
• Web design	• Easy separation to different locations
• Optical/electrical technology	• Ideal for voice, video and data
• Web design	• Lower cost
• PFM™ gel	• Non-sticky gel reduces installation time and labor cost

ANAW OSP Copper Specifications

Conductor	22 AWG solid annealed copper
Insulation	Inner layer of foamed, natural polyolefin covered by an outer layer of solid, colored polyolefin
Core Wrap	Non-hygroscopic
Filling Compound	80°C ETPR compound for water-blocking protection
Shield	Corrugated 8 mil aluminum tape covered by a corrugated bare 6 mil steel tape; both inner and outer surfaces of the tapes are flooded to provide a moisture barrier and inhibit corrosion

Optical Fiber Specifications

Construction	Series 51 single loose tube design features optical fibers placed inside a PFM gel-filled tube
Fiber Count	Up to 8 optical fiber bundles, each containing up to 12-fiber within a color coded binder
Strength Members	Core is helically wrapped with dielectric water-blocking strength members

Composite Specifications

Single Jacket Design	Copper and fiber independent cables are simultaneously jacketed in a polyethylene outer jacket with a rip cord included for ease of entry Web connects the cables and can be easily split to direct the cables to different locations
Standards Compliance	Copper and fiber cables meet applicable Telcordia Specifications (GR-421-CORE, GR-20 Core)

Environmental Specifications

Operation/Storage	-40°C to +70°C
Installation	-30°C to +70°C

Part Numbers and Physical Characteristics

				Nominal Diameter			
Part Number	Copper Pair Count	Fiber Count	Fiber Type	Copper Component in (mm)	Fiber Component in (mm)	Approx. Weight lbs/kft (kg/km)	Package
15V0063061	6	6	RWP SMF	0.45 (11)	0.37 (9)	176 (262)	14,800' Reel
15V0063121	12	6	RWP SMF	0.56 (14)	0.37 (9)	234 (348)	14,800' Reel
15V0123121	12	12	RWP SMF	0.56 (14)	0.37 (9)	234 (348)	14,800' Reel
15V0183181	18	18	RWP SMF	0.61 (15)	0.37 (9)	285 (425)	14,800' Reel
15V0123251	25	12	RWP SMF	0.72 (18)	0.37 (9)	355 (528)	12,700' Reel
15V0243251	25	24	RWP SMF	0.72 (18)	0.37 (9)	355 (528)	12,700' Reel

Part numbers listed are RWP single mode optical fiber only. Other fiber types are available. See the "Optical Fiber Selection Chart" in the "Technical Information" section for detailed fiber type specifications.