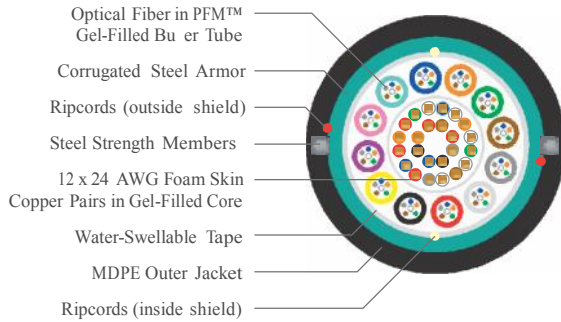


Composite Right Of Way

Series MR



Product Description

The Composite Right of Way Series MR cable is designed to meet the network requirements for both twisted copper pair and optical fiber. The small 0.65 inch (16.6 mm) profile of this design easily fits into a 1-inch conduit. The cable operates within a temperature range of -40°C to +70°C, provides a maximum tensile strength of 600 lbs, and incorporates 12, 24 AWG twisted copper pairs and up to 72 strands of optical fiber. The core, 12 pairs of 24 AWG gel-filled copper, is surrounded by 12 gel-filled tubes each containing 6 optical fibers. The core is water-blocked with super absorbent polymers and then encased in a steel armor. Two steel rods for anti-buckling are included in the outer jacket.

Applications

- Small conduits

Features

- Fiber and twisted copper pair
- Single unit construction
- Available with up to 72-fiber
- Small nominal diameter

Benefits

- Offers the maximum bandwidth for FTTP business, etc.
- Lower installation costs
- High capacity
- Suitable for small (1 inch) conduit applications

OSP Copper Specifications

Conductor	12-pair 24 AWG (0.51 mm) solid annealed copper
Core Filling	Thixotropic gel

Optical Fiber Specifications

Construction	Stranded loose tube design features optical fibers placed inside a PFM™ gel-filled tube
Fiber Count	Up to 72 optical fibers

Composite Specifications

Construction	Copper pairs at center of cable surrounded by stranded loose tubes of optical fiber
Water Block	Super absorbent polymer tape
Shield	Corrugated steel armor
Strength Members	Two steel strength members embedded in jacket
Jacket	MDPE
Standards Compliance	Telcordia GR-20-CORE ICEA S-84-608-2007

Environmental Specifications

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

Part Numbers and Physical Characteristics

Part Number	Fiber Count	Fiber Type	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Install Bend Radius in (mm)	Maximum Tensile Load	
						Install lbs (N)	Long Term lbs (N)
1MR0723011	72	RWP SMF	0.65 (16.6)	160 (237)	13 (332)	600 (2700)	200 (890)

Part number 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.