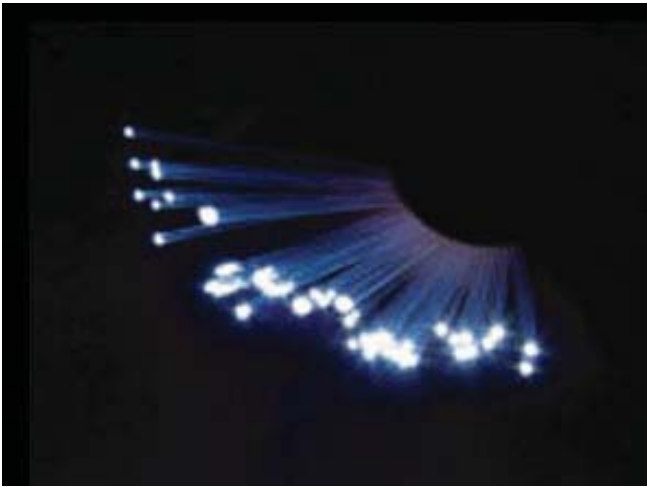


STARLITE 48



General Description:

The highly popular Starlite 48 fiber is an end-emitting fiber optic cable used in star field applications.

It is single bundle cable made of three size fibers; 34 (thirty-four) strands of .75mm fiber, 10 (ten) strands of 1.0mm fiber, and 4 (four) stands of 1.5mm fiber. 48 total fibers in each bundle. The bundle is covered in a black PVC jacket for easy handling and fiber protection.

The advantage of the Starlite 48 cable from other cable types is the ability to create a dimensional depth effect or the appearance of stars at different distances.

Specification:

Convenient bundling of fiber sizes for faster star field installation

Hazard free, no electricity along cable length

Jacket is VW1 fire resistant

Contains algaecides and fungicides

UV stable

Outdoor or indoor applications

End-emitting fiber optic cable.

Bundle cable of 48 (forty-eight) total fibers.

3-size fiber: 34 (thirty-four) .75mm fiber, 10 (ten) 1.0mm fiber, 4 (four) 1.5mm fiber.

Protected with black, VW1 fire-resistant, PVC jacket.

Fiber has 60 degree bend acceptance angle.

Contains algaecides and fungicides.

Hazard free. No electricity along cable length.

Suitable for indoor and outdoor applications.

Sold per linear foot.

STARLITE 48

Specification:

Construction: 34 - .75mm, 10 - 1mm, 4 - 1.5mm Ultra high purity PMMA, bundled in a black PVC jacket. Jacket has a fire rating, UV inhibitors, Fungicides and Algaecides.

Transmission Loss (attenuation): less than 3% per meter

Raw Fiber: .75mm, 1.0mm and 1.5mm PMMA fiber with a numerical aperture of .5

Attenuation: < 180 dB per Km @ 650 nm (raw fiber)

Part Number	Core Dimension		Outer Dimension		Bending Radius		Fiber Count	Packing Fraction	Fused Packing Fraction
	in	mm	in	mm	in	mm			
SP48	.28	7.1	.33	8.50	2.56	65.0	48	.82	.75

Features and Operation Environment:

Starlite 48 is an end emitting fiber optic cable. It consists of 34 - .75mm, 10 - 1mm and 4 - 1.5mm PMMA fiber in a black PVC jacket. StarPak cables are used in star fields, decorative lighting where multiple intensity points are required to create a dimensional depth effect. The fiber has a 60-degree acceptance angle and approximately a 60-degree field angle with no fixture.

Environment:

Starlite 48 cables can be used for indoor or outdoor applications. The PVC jacket contains UV inhibitors, algaecide, and fungicide. To prevent any deterioration, avoid letting moisture between the jacket and fiber bundle. Seal exposed ends and use a sealed end cap on the cable whenever pushing or pulling the cable through conduit or pipe. Avoid contact with sharp objects or abrasive surfaces that might damage or penetrate the jacket. Cable may be used in direct burial applications. Avoid allowing the black jacket to enter the main ferrule; this may cause overheating.