



ARAMID FIBRE REINFORCED PLASTIC ROD (ARP) is explicitly designed to meet the strength member requirement of FTTH drop cables

Description

The Aramid Fiber Reinforced Plastic Rod provides tensile strength to the cable protecting it during installation and its rigidity prevents cable buckling during the life of the cable.

TECHNICAL DATA OF 0.5 MM ARP ROD

Physical Property

		Test method
Aramid Content	68 ± 2 %	(DIN EN ISO 1172)
Unit weight	0.25 ± 0.05 gm/m	Weighing scale
Diameter Stability	0.50 ± 0.03 mm	Micro meter
Ovality	< 0.03 mm	Micro meter
Splices	None	

Mechanical Property

Ultimate Tensile Strength	> 300 N	ASTM D3916
Tensile Strength at 1% elongation	> 93 N	ASTM D3916
Tensile Modulus	>49 GPa	ASTM D3916
Elongation @ break	>2.5 %	ASTM D3916
Min bend diameter at 25 °C	10 mm	Mandrel bend
Moisture Content	<2.0	Oven, 150oC,30 min

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