

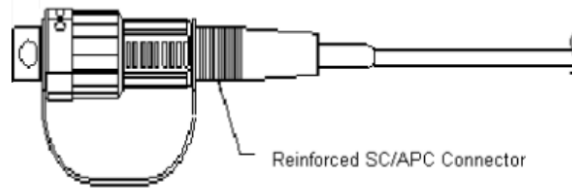


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ONECLICK



SEMI-CONNECTORIZED DROP CABLE

AR-1-DROP5.0-HC-1F-G657A2-TE -xxM



1. DESCRIPTION

This product is an optical single mode G657A2 Drop Cable 5.0 with a Reinforced SC/ APC Connector at Side A. The connector ferrule is made of Zirconia. Cable construction: 5.0mm AR-1-DROP5.0-HC-1F-G657A2-TE-xxM cable.

2. AVAILABLE VARIANTS

Type	Length(m)
AR-1-DROP5.0-HC-1F-G657A2-TE -xxM	xx
AR-1-DROP5.0-HC-1F-G657A2-TE -50M	50
AR-1-DROP5.0-HC-1F-G657A2-TE -70M	70
AR-1-DROP5.0-HC-1F-G657A2-TE -80M	80
AR-1-DROP5.0-HC-1F-G657A2-TE -100M	100
AR-1-DROP5.0-HC-1F-G657A2-TE -120M	120
AR-1-DROP5.0-HC-1F-G657A2-TE -150M	150

Length (m)	Tolerances (mm)
$L \leq 100$	+500/0
$100 < L \leq 300$	+1000/0
$L > 300$	+1%L/0

3. PARTS

Connector Side A
Connector Side B
Cable

Reinforced SC/APC Connector, per IEC 61754-4
 Reinforced SC/APC Connector, per IEC 61754-4
 AR-1-DIST5.0-HC-HC-1F-G657A2-TE-xxM

4. OPTICAL DATA

Fiber Cable

Fiber	1 fiber	
Fiber count	$\leq 0.4\text{dB/km}$	$\lambda = 1310\text{nm}$
Cable attenuation	$\leq 0.3\text{dB/km}$	$\lambda = 1550\text{nm}$

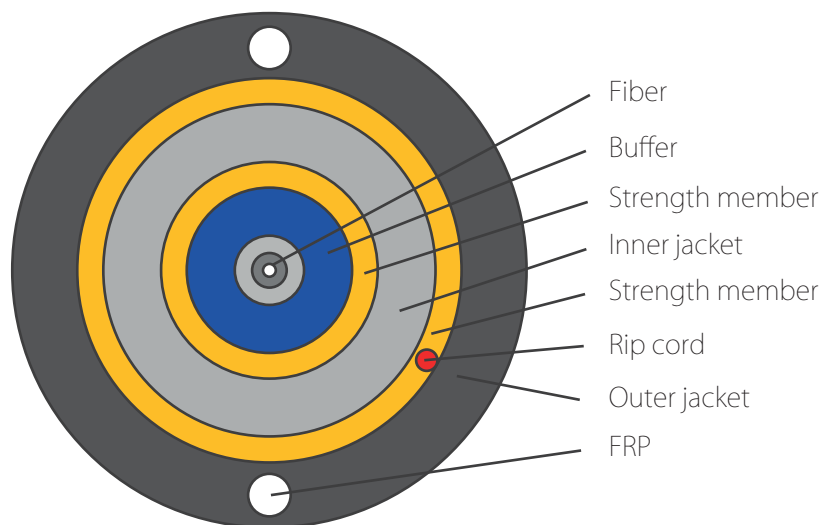
G657A2 single mode

Cable assembly

Insertion loss	Max. $0.3\text{ dB} + 0.4\text{ dB/km} * L\text{ (km)}$ @ 1310nm Max. $0.3\text{ dB} + 0.3\text{ dB/km} * L\text{ (km)}$ @ 1550nm According to IEC 61300-3-4 Method B
Return Loss	Min. 55 dB @ 1310&1550nm

5. CABLE STRUCTURE

Outer diameter $5.0 \pm 0.2\text{mm}$



6. MECHANICAL DATA

Test Item	Test method	Requirement
Tensile Strength	IEC 60794-1-E1 (1000N for 1h)	Fiber elongation $\leq 0.36\%$ Residual elongation $\leq 0.05\%$ Attenuation change $\leq 0.1\text{dB}@1550\text{nm}$
Crush	IEC 60794-1-E3 (1000N/100nm in 15 minutes)	Attenuation change $\leq 0.10\text{dB}@1550\text{nm}$
Impact	IEC 60794-1-2-E4 (5N.m impact and D=300mm)	Attenuation change $\leq 0.10\text{dB}@1550\text{nm}$
Torsion	IEC 60794-1-2-E7 (25N load and 10 cycles)	Attenuation change $\leq 0.10\text{dB}@1550\text{nm}$
Repeat Bending	IEC 60794-1-2-E6 (D=100mm and 55N load, 25 cycles)	Attenuation change $\leq 0.10\text{dB}@1550\text{nm}$
Temperature Range	IEC 60794-1-2-F1 (-15 °C ~ +65 °C)	Attenuation change $\leq 0.2\text{dB}@1550\text{nm}$
Water penetration	IEC 60794-1-2-F5A (3m length, 1m height, 24hrs)	No leakage of water
Jacket shrinkage	EIA-RS-455-86 (85°C, 4Hrs)	$\leq 5.0\%$
RoHS (2011/65/EU)	Compliant	

7. ENVIRONMENTAL DATA

Operation temperature	-20 °C to +70 °C
Storage temperature	-25 °C to +75 °C
Installation temperature	-5 °C to +50 °C

8. PACKING

Standard, 1 pc in a roll or customer's requirements.