



IMAGE  
COMING  
SOON

# Hybrid Power and Optical Cable

**GNQAQ-HYBRID G657A2 3/6**

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## Features

- Double protection against induced currents from lightning stroke
- Peak voltage reduction to half compared to conventional power cable
- Transparency for rapid current load control by unique low inductance with 1/3 of conventional power cable.
- Enables extended link distance.
- Jacket of weather proof and fire retardant material for outdoor and indoor applications.
- Optical fiber SM G.657.A2 bend insensitive
- Flexible cable with 4xD bend radius
- Common screen of Al tape to ensure easy grounding by clamps
- Cable sizes 6 and 10 mm<sup>2</sup>
- Flame retardant IEC 60332-3-24
- ROHS compliant

## Application

A robust and compact hybrid fiber cable for interconnecting power and optical links between main and remote units for outdoor and indoor radio base stations

## Product Information

- 1 Conductor: Stranded tin-plated copper wire
- 2 Insulation Flame retardant halogen free thermoplastic compound
- 3 Conductor/screen: Tin plated copper wires, size equal to conductor concentric applied to inner core
- 4 Jacket (power cable unit): Flame retardant halogen free thermoplastic compound marked with unit number
- 5 Tight buffered fiber 12x G 657.A2
- 6 Jacket (optical cable unit): Dual layer of flame retardant weather protected Halogen free compound, outer layer strippable, Inner jacket 5.5 mm.
- 7 Drain wire Stranded tin-plated copper wire, size equal to conductor size
- 8 Rip cord: Stranded aramid yarn
- 9 Screen: Aluminum tape
- 10 Jacket Flame retardant halogen free thermoplastic compound.

## Technical Information

<b>Product Color</b>	Black Sheath
<b>Temperature, Operation [°C]</b>	-40 to +75
<b>Reaction to Fire</b>	Flame resistance according to IEC 60332-2-24
<b>Fiber Type</b>	G657A2
<b>Attenuation @Wavelength [nm]</b>	1310/1550
<b>Maximum Attenuation [dB/km]</b>	0.40/0.25
<b>Conformance</b>	UV resistance according to ISO 4892-3 Flame resistance according to IEC 60332-3-24 Halogen free according to IEC 60754-2
<b>Marking</b>	Manufacturer, product number, year and week of manufacture and length marking
<b>Ordering Information</b>	Supplied lengths: On request

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## Articles 1

Article name	Color	No. of Fibers	Weight [kg/km]	Length [m]
GNQAQ-HYBRID 3/6 6mm <sup>2</sup> /G657A2 TOL4077781/30612	Black	6	741	2500/K20, 1100/K14