



# Hybrid Power and Optical Cable

**GNQAQ-HYBRID G657A2**

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## Features

- Fire retardant material for outdoor and indoor applications.
- Optical fiber SM G657A2 bend insensitive
- Flexible cable with 6xD bend radius
- Common screen of Al tape to ensure easy grounding by clamps
- Cable sizes 4, 6 and 10 mm<sup>2</sup>
- Color coded and number marked power cords
- Flame retardant IEC 60 332-1
- 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 Power cable unit conductor: Stranded tin-plated copper wire class 5
- 2 Insulation: Flame retardant colored halogen-free thermoplastic compound
- 3 Optical cable unit: Tight buffered SM G657A2
- 4 Jacket (optical cable unit): Flame retardant weather protected Halogen free compound
- 5 Drain wire: Stranded tin-plated copper wire 6 mm<sup>2</sup>
- 6 Screen Aluminum tape
- 7 Ripcord: Aramid yarn
- 8 Jacket: Flame retardant halogen-free thermoplastic compound

## Technical Information

|                                     |   |
|-------------------------------------|---|
| <b>Product Color</b>                | Black   |
| <b>Temperature, Operation [°C]</b>  | -40 to +80  |
| <b>Reaction to Fire</b>             | EN 50575 B2ca - s1, d0  |
| <b>Fiber Type</b>                   | G657A2  |
| <b>Attenuation @Wavelength [nm]</b> | 1310/1550   |
| <b>Maximum Attenuation [dB/km]</b>  | 0.40/0.25   |
| <b>Voltage Rating [V]</b>           | 100   |
| <b>Conformance</b>                  | Flame resistance according to IEC 60332-1                                   |
| <b>Marking</b>                      | Manufacturer, year and week of manufacture, product No., and length marking |
| <b>Ordering Information</b>         | Supplied lengths: On request  |

## Articles 3

| Article name  | Color | Nb. of Fibers | Weight [kg/km] | Length [m] | Form of Delivery |
|---|-------|---------------|----------------|------------|------------------|
| <b>GNQAQ-HYBRID 6x6mm<sup>2</sup>/6xG657A2</b><br>TOL4077784/0603   | Black | 6             | 650            | 1140/K12   | K12              |
| <b>GNQAQ-HYBRID 12x6mm<sup>2</sup>/12xG657A2</b><br>TOL4077784/1206 | Black | 12            | 1280           | 1140/K16   | K16              |
| <b>GNQAQ-HYBRID 18x6mm<sup>2</sup>/18xG657A2</b><br>TOL4077784/1806 | Black | 18            | 1770           | 900/K16    | K16              |