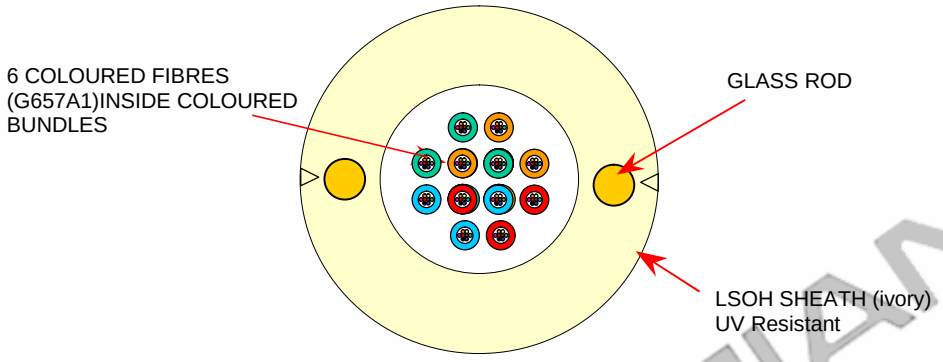
INDOOR SINGLE SHEATH CABLE UP TO 144 FIBRES

The cables are a combination of micromodules to give the required fibre count. Each bundle contains 6 Neon™ Single Mode optical fibres. The bundles are protected by an outer flame retardant LSOH (Low Smoke Zero Halogen) sheath. During the sheathing process, two Glass Reinforced Plastic (GRP) rods are included for tensile strength and rigidity.
Flame non propagation according to IEC 60332-1.



Schematic drawing not to scale (72 F version illustrated)

Technical Details

Fibre count	12	24	36	48	72	96	144
Part number	**60004142**	**60004141**	**60004130**	**60004129**	**60004128**	**60003698**	**60003699**
N° of minibundle / fibres per buffer tube	2 b x 6 fo	4 b x 6 fo	6 b x 6 fo	8 b x 6 fo	12 b x 6 fo	16 b x 6 fo	24 b x 6 fo
Cable Diameter (nominal)	8.5 mm	8.5 mm	8.5 mm	8.5 mm	10 mm	12 mm	14.5 mm
Cable Weight (nominal)	60 kg/km	65 kg/km	65 kg/km	70 kg/km	85 kg/km	135 kg/km	175 kg/km
Minimum Bend Radius (operation static)	85mm	85mm	85mm	85mm	100 mm	180 mm	220 mm
Minimum Bend Radius (dynamic)	170 mm	170 mm	170 mm	170 mm	200 mm	240 mm	290 mm
Tensile Strength (installation)	500 N						
Crush Resistance (100 mm)	500 N						
Impact Resistance (300 mm radius)	5 N*m						
Temperature Performance	- 10°C + 60 °C						

Features and Benefits

- *Incorporates NEON® fibres.*
- *Most suitable for metropolitan access networks.*
- *Mini-bundles allow fibre breakout without tools.*
- *Dry construction reduces jointing time.*

- **Colour code:**
  Fibres *1-Red, 2-Blue, 3-Green, 4-Yellow, 5-Violet, 6-White.*
  Mini-Bundles *1÷12 Red, Blue, Dark Green, Yellow, Violet, White, Orange, Grey, Brown, Light Green, Turquoise, Pink*
  13÷24 Red, Blue, Dark Green, Yellow, Violet, White, Orange, Grey, Brown, Light Green, Turquoise, Pink with 1 black mark
  .

- **Sheath marking:** *yyyy* **PRYSMIAN (L) VERTICASA INDOOR CABLE** n **x** m **(G657A1) LS0H -** ***llll*** **M**
  where : yyyy - Year of Manufacture; n = *bundle; m = fibre/bundle*; *llll - Sequential Length Mark*

- **Standard delivery length:** 1000 ± 100 M, 2000 ± 100 M.
  Other lengths available upon agreement
  Up to a maximum of 10% of the total number of cable lengths could be shorter than nominal values.

Ref.	Ed. / Rev.	Author	Approved by	Reason for issue	Date
NT6602	02/01	SV	GR	Tensile strength	25/01/2010
NT6602	02/00	SV	GR	New sap code	19/04/2010

© PRYSMIAN, All Rights Reserved
The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian.
The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian.