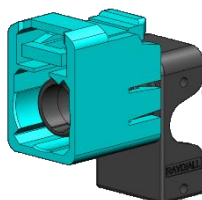


R197.127.\_30

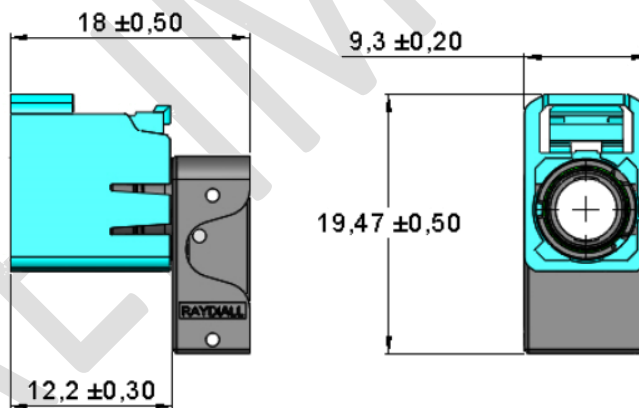
TECHNICAL DATA SHEET

Version : V4

Rev	Date	Edited	Approved	Validated	Modification
1	09/02/2018	G. Corbin	A. Brunet	R.Chantre	Creation
2	26/09/2018	R. Duprez	A. Brunet	R.Chantre	Update sleeve dimensions
3	06/012/2018	A. Brunet	A. Brunet	R.Chantre	New refence according to Raydiall codification update
4	12/03/2020	R. Duprez	A. Brunet	R.Chantre	Update WP characteristics and terminal's reference



All dimensions are in mm



COMPONENTS	MATERIALS	UL CLASSIFICATION	COLOR
Housing	PA6.6 GF15	UL 94 V2	See page 2
Sleeve	PBT GF 30	UL 94 HB	Black
Seal	LSR	UL 94 HB	Green

**Interface**

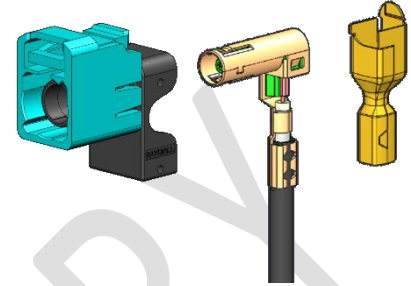
According to ISO 20860-1

**Application**

This housing is part of an assembly to create a complete R3C 90° Waterproof connector. It has to be assembled with the terminal R299.197.601 and the ferrule R280.197.274 for the RG174 version.

RTK version not yet available

Refer to **R-AR3C** to get the corresponding P/N.



**Waterproof characteristics**

IPX7.

IPX7 guaranteed with connector R299.197.6X1 and a cable that we have validated

In order to guarantee the quality of the final coaxial cable assembly, the connector must be overmolded following specific instructions that have been defined and validated by Raydiall. Please refer to the following documents: **AI - Fakra R3C90°WP** (assembly instructions) and the customer specific document **CS - Fakra R3C 90° WP** (Process specifications).

Specific attention must be paid with respect to:

- Overmolding process parameters according to Raydiall recommendations
- Cable modification. Raydiall must validate any change on the cable: new cable supplier, new cable design or material.

Raydiall cannot be responsible for any quality issue if these instructions are not followed.

**Codings**

To obtain the complete part number, please fill in the blank “\_” with the coding letter.



Fakra R3C 90° Waterproof housing  
Cable type **RG174** (2.6/50) & **RTK** (3.2/50)



R197.127.\_30

TECHNICAL DATA SHEET

Version : V4

**Net Weight** 1.27g

### Storage condition & Shelf Life

Boxes should be stored indoors, in its original packaging (box + plastic bag), in a controlled climate environment not exceeding -20°C/+40°C and maximum 70% relative humidity. The boxes should be protected from direct sunlight and should and a FIFO storage "first-in, first-out" should be apply

It is recommended to use this reference within 1 year from the date of manufacture when stored according the recommended storage condition.

### Product Handling

Boxes must be handle with care. They must not be dropped.

### Packaging:

Bulk (TBC)

Part per box XXX with YYY sub assembly per bags (TBD)