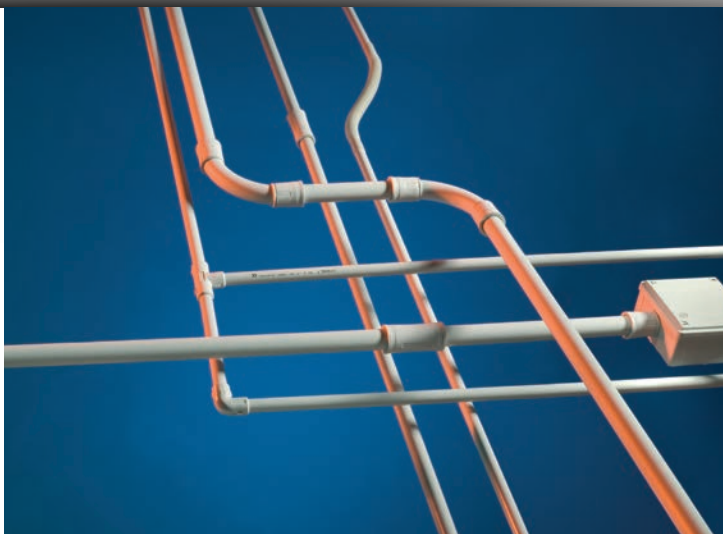


GRI SELF-EXTINGUISHING RIGID CONDUITS

RFG RIGID THREADABLE CONDUITS, SELF-EXTINGUISHING



PRODUCT TYPE:

Rigid conduits for cables in plastic material

APPLICATIONS:

Wall and/or ceiling trunking

SERIES GRI DIMENSIONS:

Product Name	Nominal Diameter	External Diameter (mm)	Internal Diameter (mm)
GRI 16	16	16 - 0.3	13
GRI 20	20	20 - 0.3	16.9
GRI 25	25	25 - 0.4	21.4
GRI 32	32	32 - 0.4	27.8
GRI 40	40	40 - 0.4	35.4
GRI 50	50	50 - 0.5	44.3

SERIES RFG DIMENSIONS:

Product Name	Nominal Diameter	External Diameter (mm)	Internal Diameter (mm)
RFG 16	16	16 - 0.3	11.5
RFG 20	20	20 - 0.3	15.7
RFG 25	25	25 - 0.4	19.8
RFG 32	32	32 - 0.4	26.4
RFG 40	40	40 - 0.4	33.4
RFG 50	50	50 - 0.5	43



**COMMON ACCESSORIES
FOR RIGID CONDUITS:**

Product Name	Description	Degree of protection
MSTN	Quick coupling	IP67
CIRN	Quick coupling 90° bend	IP67
RSTN	Coupling to join rigid conduits to boxes	IP67
RTGN	Coupling to join rigid conduits to spiralled sheath – same nominal diameter	IP67
GSTON	Coupling to join rigid conduits to spiralled sheath	IP65
MGM	Coupling	IP40
CGRI	90° bend	IP40
CISP	Inspectionable bend, in two simmetrical pieces	IP40
TISP	Inspectionable tee-joint, in two simmetrical pieces	IP40
CFV	Flexible bend suitable for every radius required	IP64
FISN	Conduit support.	-
GUI	Rail for conduit supports	-
FIT	Elastomerized conduit support	-
COFIS	Support to fasten conduits or cables	-
MPTN	Rigid conduit bending spring	-

COLOUR RANGE: Grey RAL 7035

MATERIALS: Rigid PVC, polypropylene (accessories IP67), polyamide (FIT, COFIS), ABS (FISN)

DECLARATION OF CONFORMITY: All GRI-RFG range products (excluding: STC - TAG - MPTN) come under the scope of the Low Voltage Directive 2014/35/UE and comply with all relevant essential requirements set in the Directive.

Compliance with the Directive is indicated by the **CE** marking and by all required symbols and markings affixed on the product, its packaging, in the assembly instructions and product catalogue, as well as by full product compliance with applicable standards.

NORMATIVE REFERENCES:

- **EN 61386-1:** "Conduit systems for electrical installations Part 1: General requirements"
- **EN 61386-21:** Conduit systems for cable management Part 21: Particular requirements for conduits and accessories"

COMPRESSION STRENGTH:

- **GRI Series:** class 3 (exceeding 750 Newtons on 5 cm at +23 +/-2 °C)
- **RFG Series:** class 4 (exceeding 1,250 Newtons on 5 cm at +23 +/-2 °C)

IMPACT RESISTANCE: class 3 (2 Kg on 10 cm a -5°C)
(FOR BOTH GRI AND RFG SERIES)

MINIMUM SERVICE TEMPERATURE: class 2 (-5 °C)
(FOR BOTH GRI AND RFG SERIES)

MAXIMUM SERVICE TEMPERATURE: class 1 (+ 60 °C)
(FOR BOTH GRI AND RFG SERIES)



ELECTRICAL INSULATION**RESISTANCE:**

(FOR BOTH GRI AND RFG SERIES)

over 100 megaohm for 500 V of 1 min service

ELECTRIC STRENGTH:

(FOR BOTH GRI AND RFG SERIES)

exceeding 2000 V - 50 Hz for 15 min

FLAME PROPAGATION**RESISTANCE****ACCORDING****TO EN 60695-11-2****STANDARD:**

(1KW PRE-MIXED TEST FLAME)

non-flame propagating

RESISTANCE**TO HOT-WIRE BASED****TEST AS PER****EN 60695-2-11****STANDARD:**

(FIRE HAZARD TESTING – PART 2-11: GLOWING/HOT-WIRE BASED TEST METHODS – GLOW-WIRE FLAMMABILITY TEST METHOD FOR END-PRODUCTS)

passed the 850 °C

SELF-EXTINGUISHING**MATERIAL ACCORDING****TO UL94 STANDARD:**

V0

PLIABILITY:

(FOR BOTH GRI AND RFG SERIES)

16, 20 and 25 mm diameters can be bent with MPTN bending spring

RESISTANCE TO CHEMICAL AGENTS:

Saline

Acids

Bases

Solvents

Mineral Oil

Concentrated

Thinned

Concentrated

Thinned

Hexane

Benzoic acid

Acetone

Ethyl-alcohol

Resistant

Resistant in certain conditions

Resistant

Resistant in certain conditions

Resistant

Resistente

Unsuitable

Unsuitable

Resistant

Resistant

UV RESISTANCE:

yes

MARKINGS AND CERTIFICATIONS:**CONFORMITY WITH 2011/65/CE (ROHS) DIRECTIVE:**

yes

