

# PBTFR Braided Sleeving

## Expandable Polyester

**PRO-POWER**  
Quality Cables

### Black



### Grey



### Features:

- High flexibility.
- Self-extinguishing.
- Supplied in coils.
- Available in Black and Grey with identification stripes.

Polyester expandable braided sleeving is made of polyester PBT (Polybutylene Terephthalate) monofilaments (0.22mm). The raw material used, is treated with non-burning agents. This sleeving increases cut-through and abrasion resistance of both dielectric and thermal insulation surfaces.

This sleeving can be used wherever flame resistance is required. It can be used in Telecommunication, Underground, Aerospace, Automotive industry etc. With a continuous working temperature of up to 150°C and a resistance to most chemicals, it can be used in rough conditions. Its expansion ratio of 1:2 enables very easy covering over bundles of cables.

### Dimension Data

Nominal Diameter	Range of Use	Number of Yarns	Weight Gram/100m	Coil Length (m)	Grey Part Number	Black Part Number
5	4 to 9	84	580	100	PBTFR5GY100C	PBTFR5BK100C
6	5 to 11	96	660		PBTFR6GY100C	PBTFR6BK100C
8	7 to 13	120	810		PBTFR8GY100C	PBTFR8BK100C
10	9 to 15	144	1040	50	PBTFR10GY50C	PBTFR10BK50C
12	11 to 17	168	1160		PBTFR12GY50C	PBTFR12BK50C
15	13 to 20	192	1380		PBTFR15GY50C	PBTFR15BK50C
20	18 to 25	256	2000		PBTFR20GY50C	PBTFR20BK50C
25	22 to 30	288	2400		PBTFR25GY50C	PBTFR25BK50C
30	27 to 40	384	3160		PBTFR30GY50C	PBTFR30BK50C

Dimensions : Millimetres (Unless Specified)

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### Properties:

Monofilament	: Polyester PBT-size 0.22mm.
Melting point	: +225°C.
Limiting oxygen index	: 34.7%.
Operating temperature	: -50°C to +150°C.
Withstand peaks	: 200°C.
Flame resistance	: Passes flame resistance requirements of ISO 3795, FMVSS 302 and FAR 25-853 I2 according to NF F16-101 VO-UL94.
Fumes toxicity	: Complies with CET DEC 26 - 0611.
Chemical resistance	: High abrasion and good chemical resistance.

### Part Number Explanation:

**PBTFR**

Type

**5**

Nominal  
Diameter

**GY**

Colour

**100**

Length

**C**

Packaging

Nominal Diameter	: 5, 6, 8, 10, 12, 15, 20, 25 and 30mm.
Colour	: Grey and Black.
Coil Length	: 50 and 100m.
Packaging	: C = Coils.

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### Notes:

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<http://www.farnellinone.com>

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