



## Type GF-P (braided conduit)



### Product information

The GF-P braided conduits are made of specially modified polyester. With this material and the special braiding, the conduit is extremely durable and elastic in both the radial and axial directions. It can be used to bundle and protect a large number of cables and individual wires of all types. The elastic braiding means that configuration of the conduit can be very variable. The SAT-GF conduit connection serves as an end piece for the braided conduits.

Additional advantages of the GF-P braided conduit include:

- Very good mechanical and thermal resistance
- Good chemical resistance
- Very low levels of smoke gas
- Very high abrasion resistance

### Information, conformities and approvals



Article	Order No.	Color	UV	Nominal width NW	Suitable for SAT-GF	Size range mm	Surface covering in %	Weight kg/100m	PU m
GF-P 3	83342008	Black	✓	4		2 / 6	93	0.41	200
GF-P 4	83342010	Black	✓	4		3 / 7	93	0.58	200
GF-P 6	83342012	Black	✓	6		5 / 9	86	0.7	200
GF-P 8	83342014	Black	✓	8		7 / 12	87	0.74	200
GF-P 10	83342016	Black	✓	10	SAT-GF M16/P11	8 / 15	77	0.91	200
GF-P 12	83342018	Black	✓	12	SAT-GF M16/P11	8 / 15	74	0.94	200
GF-P 16	83342020	Black	✓	16	SAT-GF M20/P16	12 / 24	80	1.5	100
GF-P 20	83342022	Black	✓	20	SAT-GF M20/P16	16 / 32	75	1.75	100
GF-P 22	83342024	Black	✓	22	SAT-GF M25/P21	18 / 33	84	1.9	100
GF-P 30	83342026	Black	✓	30	SAT-GF M32/P29	28 / 37	78	2.65	100
GF-P 40	83342028	Black	✓	40	SAT-GF M40/P36	32 / 45	77	3.18	50
GF-P 50	83342030	Black	✓	50	SAT-GF M50/P48	30 / 55	79	3.88	50
GF-P 70	83342032	Black	✓	70		60 / 88	87	5.94	50



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GF-P 4	83342050	Gray	✗	4		3 / 7	93	0.58	200
GF-P 6	83342052	Gray	✗	6		5 / 9	86	0.7	200
GF-P 8	83342054	Gray	✗	8		7 / 16	87	0.74	200
GF-P 10	83342056	Gray	✗	10	SAT-GF M16/P11	8 / 15	77	0.91	200
GF-P 12	83342058	Gray	✗	12	SAT-GF M16/P11	8 / 15	74	0.94	200
GF-P 16	83342060	Gray	✗	16	SAT-GF M20/P16	12 / 24	80	1.5	100
GF-P 20	83342062	Gray	✗	20	SAT-GF M20/P16	16 / 32	75	1.75	100
GF-P 22	83342064	Gray	✗	22	SAT-GF M25/P21	18 / 33	84	1.9	100
GF-P 30	83342066	Gray	✗	30	SAT-GF M32/P29	28 / 37	78	2.65	100
GF-P 40	83342068	Gray	✗	40	SAT-GF M40/P36	32 / 45	77	3.18	50
GF-P 50	83342070	Gray	✗	50	SAT-GF M50/P48	30 / 55	79	3.88	50
GF-P 70	83342072	Gray	✗	70		60 / 88	87	5.94	50

### Material properties



mod. polyester

### Thermal properties



Temperature / temperature range

-55 °C - 150 °C / short term: 175 °C

### Fire properties



Fire classification

acc. to UL94: V2 self-extinguishing



Fire properties as per EN 45545-2

C.I.T. R22 / R23 HL3 :0.1 NF X 70-100-1/-2 600°C (1112 °F)  
LOI R22 / R23 HL3 :34.5 ISO 4589-2  
Ds (max.) R22 / R23 HL3 :132 ISO 5659-2 (25 KW/m<sup>2</sup>)



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### Chemical resistances



Resistant to:

Alcohol  
Greases  
Fuels  
Weak acids

### Technical information



Halogen-free

### Conformity



RoHS (EC Directive 2011/65/EU)

### Approvals and operating permits



EU railway approval

### Classification

ETIM 9: EC001182  
ECLASS 14: 27430303  
UNSPSC 26.0801: 40183009