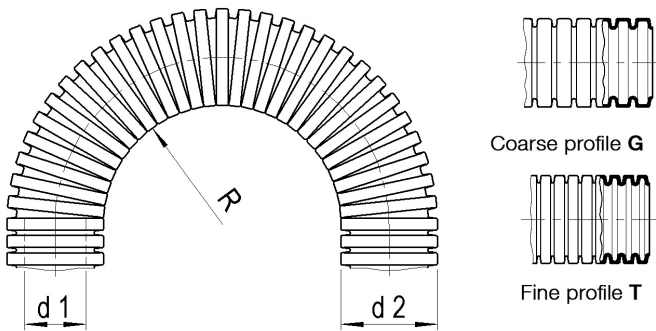


Product selection:

| Part no. | Profile | Conduit size | | rec. fitting thread size | | Dimensions in mm (nom.) | | | | Weight kg/100 m | Packing unit metre |
|-------------|---------|--------------|--------|--------------------------|---------|-------------------------|-------|---------|---------|--------------------|-----------------------|
| | | NW | metric | PG | metric | d1 | d2 | stat. R | dyn. R. | | |
| black/green | T/G | | | | | | | | | | |
| XPCST-07BG | T | 7 | 10 | 9 | M12x1.5 | 6.9 | 10.0 | 15 | 40 | 2.2 | 100 |
| XPCST-10BG | T | 10 | 12 | 9 | M12x1.5 | 9.8 | 12.8 | 20 | 50 | 2.8 | 50 |
| XPCST-12BG | T | 12 | 16 | 11 | M16x1.5 | 12.1 | 15.6 | 25 | 65 | 3.8 | 50 |
| XPCST-17BG | T | 17 | 20 | 16 | M20x1.5 | 16.5 | 21.1 | 35 | 85 | 5.7 | 50 |
| XPCSG-17BG | G | 17 | 20 | 16 | M20x1.5 | 15.8 | 21.1 | 35 | 85 | 6.3 | 50 |
| XPCSG-23BG | G | 23 | 25 | 21 | M25x1.5 | 21.9 | 28.4 | 45 | 110 | 9.9 | 50 |
| XPCSG-29BG | G | 29 | 32 | 29 | M32x1.5 | 27.7 | 34.5 | 55 | 135 | 13.3 | 50 |
| XPCSG-36BG | G | 36 | 40 | 36 | M40x1.5 | 36.6 | 42.4 | 65 | 170 | 16.0 | 30 |
| XPCSG-48BG | G | 48 | 50 | 48 | M50x1.5 | 47.5 | 54.5 | 85 | 220 | 22.8 | 30 |
| XPCSG-56BG | G | 56 | 68 | - | - | 56.7 | 67.5 | 110 | 270 | 33.0 | 30 |
| XPCSG-70BG | G | 70 | 80 | - | - | 67.5 | 79.6 | 130 | 320 | 46.0 | 10 |
| XPCSG-95BG | G | 95 | 106 | - | - | 91.6 | 107.0 | 170 | 430 | 66.0 | 10 |

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



stat. R. = min. bending radius for static (fixed) installation

dyn. R. = min. bending radius for dynamic (flexible) installation

| Mechanical Properties: | Value: | Test parameters: | Test method: |
|--|------------------|-------------------|-------------------------------|
| Impact strength | > 6 J | (+23°C) | PMA DO 9.21-4330 |
| | > 12.2 J | (-18°C) | CSA C22.2 Nr. 227.3 / UL 1696 |
| | class 3, > 2 J | (-45°C) | IEC EN 61386 |
| | class 4, > 6 J | (-15°C) | IEC EN 61386 |
| | class 5, > 20 J | (+23°C) | IEC EN 61386 |
| Compression strength | > 270 N | (50 x 50 mm) | PMA DO 9.21-4320 |
| | > 540 N | (100 x 100 mm) | PMA DO 9.21-4320 |
| | class 2 | | IEC EN 61386 |
| Resistance to fatigue | > 5'000 cycles | (-45°C) | IEC EN 61386-23 |
| | 1'000'000 cycles | Jumper cable test | TSSC-EC-TP00061 |
| Pull-out resistance conduit - fitting series | | | |
| PMAFIX Pro | > 460 N | | PMA DO 9.21-4610 |
| PMAFIX IP68 | > 430 N | | PMA DO 9.21-4610 |
| PMAFIX IP66 | > 380 N | | PMA DO 9.21-4610 |
| PMAFIX Pro, PMAFIX IP66 & IP68 | class 2 | | IEC EN 61386 |

Note: Testing at 23°C, 50% r.h., conduit nominal width 17, unless otherwise stated

| Thermal properties: | Value: | Test parameters: | Test method: |
|------------------------------------|----------------|------------------|------------------|
| Continuous application temperature | -50 ... +95°C | | PMA DO 9.21-4510 |
| Upper application temperature | +110°C | (20'000 h) | PMA DO 9.21-4360 |
| Short-term | +150°C | (168 h) | PMA DO 9.21-4360 |
| Application temperature range | -45 ... +105°C | | IEC EN 61386 |

| Fire safety properties: | Value: | Test parameters: | Test method: |
|----------------------------|--------------------------|------------------|---------------------------------------|
| Fire performance | non flame-propagating | | IEC EN 61386 |
| Fire hazard level | HL2 | | EN 45545-2 (R22) |
| Oxygen index | > 28 % | | EN ISO 4589-2 |
| Smoke density | < 300 Ds max. | | EN ISO 5659-2 (25 kW/m ²) |
| Toxicity | < 0.9 CIT _{NLP} | | NF X 70-100-1/-2: (600°C) |
| Fire hazard level | HL2 | | EN 45545-2 (R23) |
| Oxygen index | > 28 % | | EN ISO 4589-2 |
| Smoke density | < 600 Ds max. | | EN ISO 5659-2 (25 kW/m ²) |
| Toxicity | < 1.8 CIT _{NLP} | | NF X 70-100-1/-2: (600°C) |
| Fire performance NFPA 130: | | | NFPA 130 |
| - Flammability | compliant | | ASTM E 162 |
| - Smoke density | compliant | | ASTM E 662 |
| Heat and visible smoke | 23.22 MJ/kg | | ASTM E 1354 |
| Smoke emission toxicity | compliant | | Bombardier SMP 800-C |
| Smoke emission toxicity | compliant | | Boeing BSS 7239 |

Note: Requirement sets (R22 & R23) apply for conduit sizes up to and including NW48

ABB Switzerland Ltd,
PMA Cable Protection
Aathalstrasse 90
8610 Uster, Switzerland
Phone: +41 58 585 00 11
pma-info@ch.abb.com
www.pma.ch

Let's write the future.
Together. **abb.com**

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Installation Products Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc. Copyright© 2019 ABB Installation Products Inc. All rights reserved

