

















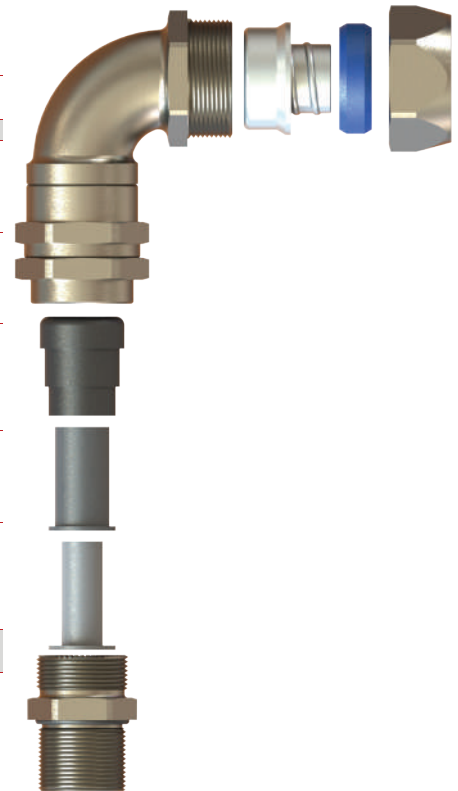
90° Fittings for Flexible Conduits for Non-Armoured Cables

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| Technical Details | | | | | | | | | | | | | |
|--|--|----------------------|--|---|--|--|---|--|--|--|---|--|---|
| Material | <table border="0"> <tr> <td>Body, Cap</td> <td>Brass, Brass Nickel Plated, Stainless Steel 316L</td> </tr> <tr> <td>Seal</td> <td>CR (Chloroprene), Silicone</td> </tr> <tr> <td>Ferrule</td> <td>Steel Zinc Plated, Brass Nickel Plated</td> </tr> <tr> <td>Plastic Ring</td> <td>Polyamide</td> </tr> <tr> <td>O-ring</td> <td>CR (Chloroprene), Silicone</td> </tr> </table> | Body, Cap | Brass, Brass Nickel Plated, Stainless Steel 316L | Seal | CR (Chloroprene), Silicone | Ferrule | Steel Zinc Plated, Brass Nickel Plated | Plastic Ring | Polyamide | O-ring | CR (Chloroprene), Silicone | | |
| Body, Cap | Brass, Brass Nickel Plated, Stainless Steel 316L | | | | | | | | | | | | |
| Seal | CR (Chloroprene), Silicone | | | | | | | | | | | | |
| Ferrule | Steel Zinc Plated, Brass Nickel Plated | | | | | | | | | | | | |
| Plastic Ring | Polyamide | | | | | | | | | | | | |
| O-ring | CR (Chloroprene), Silicone | | | | | | | | | | | | |
| Ingress Protection Rating | IP 68 - 5 Bar, 30 min IP 66 | | | | | | | | | | | | |
| Operating Temperature | <table border="0"> <tr> <td>Seal Material</td> <td>CR (Chloroprene)</td> <td>Silicone</td> </tr> <tr> <td>Ex d/tb</td> <td>-40°C to +80°C</td> <td>-60°C to +80°C</td> </tr> <tr> <td>Ex e/tb</td> <td>-40°C to +80°C</td> <td>-60°C to +140°C</td> </tr> </table> | Seal Material | CR (Chloroprene) | Silicone | Ex d/tb | -40°C to +80°C | -60°C to +80°C | Ex e/tb | -40°C to +80°C | -60°C to +140°C | | | |
| Seal Material | CR (Chloroprene) | Silicone | | | | | | | | | | | |
| Ex d/tb | -40°C to +80°C | -60°C to +80°C | | | | | | | | | | | |
| Ex e/tb | -40°C to +80°C | -60°C to +140°C | | | | | | | | | | | |
| Equipment For | Gas & Dust potentially explosive atmospheres | | | | | | | | | | | | |
| Suitable for use in | Group II Gas Group IIC ZONE1/ZONE2 Group III Dust Group IIIC ZONE21/ZONE 22 | | | | | | | | | | | | |
| Equipment Marking | Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db | | | | | | | | | | | | |
| Marking Example * | BMD EBLN.. CE 0722  II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db Ta-40°C +80°C IP66/68 CESI 13 ATEX 018X IECEx CES 13.0006X | | | | | | | | | | | | |
| Thread Type | <ul style="list-style-type: none"> • Metric (M) ISO Pitch 1,5 • NPT (N) ANSI ASME B1.20.1 • Other thread types also available upon request. | | | | | | | | | | | | |
| Cable Type | Non Armoured | | | | | | | | | | | | |
| Accessories | <ul style="list-style-type: none"> • Lock nuts • Gaskets (Washers) • Serrated Washers • Earth tags | | | | | | | | | | | | |
| Remarks | <ul style="list-style-type: none"> • Accessories must be ordered separately. • O-ring available in Metric outer threads. | | | | | | | | | | | | |
| Approvals | <table border="0"> <tr> <th>Certificate Number</th> <th>Standards</th> </tr> <tr> <td> IMQ 13 ATEX 018X</td> <td>EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-31:2014 EN 60079-1:2014</td> </tr> <tr> <td> IECEx IMQ 13.0006X</td> <td>IEC 60079-0:2011 Edition:6 IEC 60079-7:2015 Edition:5 IEC 60079-31:2013 Edition:2 IEC 60079-1:2014 Edition:7</td> </tr> <tr> <td> № TC RU C-TR.AA87.B.00941</td> <td>ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ IEC 60079-31:2013</td> </tr> <tr> <td> DNV 12.0052 X</td> <td>ABNT NBR IEC 60079-0:2013 ABNT NBR IEC 60079-1:2009 ABNT NBR IEC 60079-7:2008 ABNT NBR IEC 60079-31:2011</td> </tr> <tr> <td> E-14044</td> <td>IEC/EN60079-0 IEC/EN60079-7 IEC/EN60079-31 IEC/EN60079-1 IEC/EN 62444</td> </tr> </table> | Certificate Number | Standards |  IMQ 13 ATEX 018X | EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-31:2014 EN 60079-1:2014 |  IECEx IMQ 13.0006X | IEC 60079-0:2011 Edition:6 IEC 60079-7:2015 Edition:5 IEC 60079-31:2013 Edition:2 IEC 60079-1:2014 Edition:7 |  № TC RU C-TR.AA87.B.00941 | ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ IEC 60079-31:2013 |  DNV 12.0052 X | ABNT NBR IEC 60079-0:2013 ABNT NBR IEC 60079-1:2009 ABNT NBR IEC 60079-7:2008 ABNT NBR IEC 60079-31:2011 |  E-14044 | IEC/EN60079-0 IEC/EN60079-7 IEC/EN60079-31 IEC/EN60079-1 IEC/EN 62444 |
| Certificate Number | Standards | | | | | | | | | | | | |
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-For more information see our webpage.

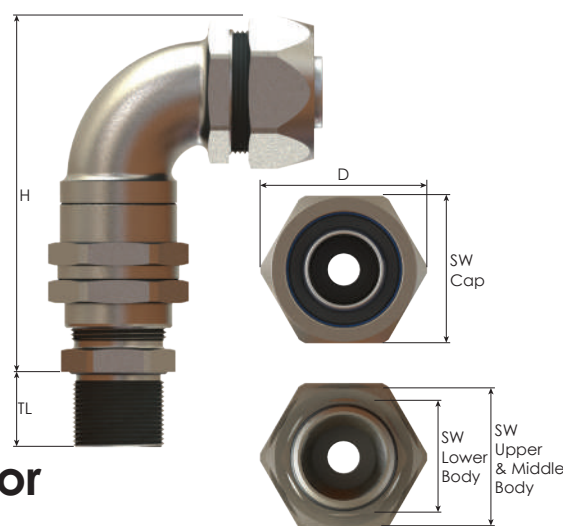
* The standard marking consists ATEX & IECEx only. Marking acc. to other standards on request.



| Order Coding | | | | | | | | |
|----------------|---|-----------------------------|---|---|---------------------|------------|-------------|----------|
| Part Number | Material | Seal | - | Gasket (Washer) | Serrated Washer | Lock Nut | Earth Tag | for Ex e |
| See table | Mandatory | Mandatory | - | Option | Option | Option | Option | Option |
| | B Brass BN Brass Nickel plated X Stainless steel 316L | C Chloroprene S Silicone | - | WC Chloroprene WS Silicone WF Fiber | WSR Serrated washer | L Lock nut | E Earth tag | TL9 |
| Example | | | | | | | | |
| EBLN3M | BN | S | - | WC | WSR | L | E | TL9 |

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90° Fittings for Flexible Conduits for Non-Armoured Cables



Thread Type METRIC acc. to ISO 965-3

| Outer Thread Size (Male) | For Sealtite Nominal Size | Clamping Range | | Outer Thread Length | | Cap | Spanner Width | | | Outer Ø | max. Height | Part Number |
|--------------------------|---------------------------|----------------|-----------|---------------------|-------------|-----------|------------------|-------------------|------------------|---------|-------------|-------------|
| | | Ø min-max mm | Seal Type | Ex-e min. | Ex-d/e min. | | Upper Body | Middle Body | Lower Body | | | |
| | | | | TL mm | | SW Cap mm | SW Upper Body mm | SW Middle Body mm | SW Lower Body mm | D mm | H mm | |
| M12x1,5 | 1/2" | 4,0 - 8,0 | Triple | 9,0 | 16,0 | 29 | 27 | 27 | 22 | 32,7 | 83,5 | *EBLN02M |
| M16x1,5 | 1/2" | 4,0 - 12,0 | Triple | 9,0 | 16,0 | 29 | 27 | 27 | 22 | 32,7 | 83,5 | EBLN01M |
| M20x1,5 | 3/8" | 4,0 - 10,0 | Triple | 9,0 | 16,0 | 26 | 22 | 27 | 22 | 29,0 | 75,0 | EBLN1SM |
| | 1/2" | 4,0 - 12,0 | Triple | 9,0 | 16,0 | 29 | 27 | 27 | 22 | 32,7 | 80,0 | EBLN1M |
| M25x1,5 | 3/4" | 10,0 - 18,0 | Triple | 9,0 | 16,0 | 35 | 33 | 33 | 28 | 39,0 | 90,0 | EBLN2M |
| M32x1,5 | 1" | 14,0 - 24,0 | Triple | 9,0 | 16,0 | 45 | 42 | 42 | 35 | 50,0 | 104,0 | EBLN3M |
| M40x1,5 | 1 1/4" | 22,0 - 32,0 | Triple | 9,0 | 18,0 | 54 | 51 | 51 | 45 | 60,0 | 122,0 | EBLN4M |
| M50x1,5 | 1 1/2" | 26,0 - 35,0 | Triple | 9,0 | 18,0 | 63 | 60 | 60 | 55 | 69,3 | 137,0 | EBLN5M |

Thread Type NPT acc. to ANSI ASME B1.20.1

| Outer Thread Size (Male) | For Sealtite Nominal Size | Clamping Range | | Outer Thread Length | Cap | Spanner Width | | | Outer Ø | max. Height | Part Number |
|--------------------------|---------------------------|----------------|-----------|---------------------|-----------|------------------|-------------------|------------------|---------|-------------|-------------|
| | | Ø min-max mm | Seal Type | | | Upper Body | Middle Body | Lower Body | | | |
| | | | | TL mm | SW Cap mm | SW Upper Body mm | SW Middle Body mm | SW Lower Body mm | D mm | H mm | |
| NPT 1/4" | 1/2" | 4,0 - 8,0 | Triple | 16,0 | 29 | 27 | 27 | 22 | 32,7 | 83,5 | *EBLN02N |
| NPT 3/8" | 1/2" | 4,0 - 12,0 | Triple | 16,0 | 29 | 27 | 27 | 22 | 32,7 | 83,5 | EBLN01N |
| NPT 1/2" | 3/8" | 4,0 - 10,0 | Triple | 16,0 | 26 | 22 | 27 | 22 | 29,0 | 75,0 | EBLN1SN |
| | 1/2" | 4,0 - 12,0 | Triple | 16,0 | 29 | 27 | 27 | 22 | 32,7 | 79,5 | EBLN1N |
| NPT 3/4" | 3/4" | 10,0 - 18,0 | Triple | 16,0 | 35 | 33 | 33 | 28 | 39,0 | 89,5 | EBLN2N |
| NPT 1" | 1" | 14,0 - 24,0 | Triple | 20,0 | 45 | 42 | 42 | 35 | 50,0 | 104,0 | EBLN3N |
| NPT 1 1/4" | 1 1/4" | 22,0 - 32,0 | Triple | 20,0 | 54 | 51 | 51 | 45 | 60,0 | 122,0 | EBLN4N |
| NPT 1 1/2" | 1 1/2" | 26,0 - 35,0 | Triple | 20,0 | 63 | 60 | 60 | 55 | 69,3 | 137,0 | EBLN5N |