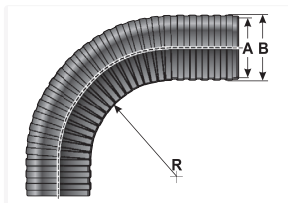




## Type EW-HY



### Product information

The EW-HY cable protection conduits are made of specially modified thermoplastic elastomer. The material is halogen, phosphor and cadmium-free and is also heat and hydrolysis stabilized.

The EW-HY cable protection conduits are characterized by outstanding flexibility, flexural fatigue strength and good crush resistance.

With its excellent flexural fatigue strength, this product is ideal for use in handling systems and robotics engineering.

For dynamic applications involving low to medium mechanical loads.

Applications:

- Robotics
- Handling systems

### Information, conformities and approvals



| Article                      | Order No. | Color | UV | A Ø mm | B Ø mm | R stat. mm | R dyn. mm | Weight kg/100m | PU m |
|------------------------------|-----------|-------|----|--------|--------|------------|-----------|----------------|------|
| EW-HY-06 <sup>1)</sup>       | 83121048  | Black | 1  | 6.45   | 9.7    | 18         | 40        | 2.4            | 50   |
| EW-HY-M12/P9                 | 83121050  | Black | 1  | 9.9    | 12.5   | 21         | 51        | 3.2            | 50   |
| EW-HY M12/P09, 200m          | 83121051  | Black | 1  | 9.9    | 12.5   | 21         | 51        | 3.2            | 200  |
| EW-HY-M16/P11                | 83121052  | Black | 1  | 12.3   | 15.5   | 28         | 68        | 4.0            | 50   |
| EW-HY-M20/P16S               | 83121054  | Black | 1  | 16.8   | 20.7   | 38         | 95        | 7.0            | 50   |
| EW-HY-M25/P21                | 83121056  | Black | 1  | 21.8   | 28     | 49         | 109       | 12.0           | 50   |
| EW-HY-M32/P29                | 83121058  | Black | 1  | 27.7   | 34.2   | 67         | 142       | 17.0           | 25   |
| EW-HY-M40/P36                | 83121060  | Black | 1  | 35.2   | 42     | 81         | 191       | 21.0           | 25   |
| EW-HY-M50/P48                | 83121062  | Black | 1  | 46.9   | 53.9   | 102        | 237       | 28.0           | 25   |
| EW-HY-56 Jumbo <sup>1)</sup> | 83121065  | Black | 1  | 54.88  | 67.4   | 120        | 285       | 40.0           | 25   |
| EW-HY-70 Jumbo               | 83121066  | Black | 1  | 66.2   | 79.5   | 140        | 330       | 51.5           | 25   |



## Type EW-HY

| Article                      | Order No. | Color | UV | A Ø mm | B Ø mm | R stat. mm | R dyn. mm | Weight kg/100m | PU m |
|------------------------------|-----------|-------|----|--------|--------|------------|-----------|----------------|------|
| EW-HY-95 Jumbo               | 83121070  | Black | 1  | 90     | 105    | 150        | 400       | 90.0           | 10   |
| EW-HY-M12/P9 <sup>1)</sup>   | 83121010  | Gray  | 0  | 9.9    | 12.5   | 21         | 51        | 3.2            | 50   |
| EW-HY-M16/P11                | 83121012  | Gray  | 0  | 12.3   | 15.5   | 28         | 68        | 4.0            | 50   |
| EW-HY-M20/P16S               | 83121014  | Gray  | 0  | 16.8   | 20.7   | 38         | 95        | 7.0            | 50   |
| EW-HY-M25/P21                | 83121016  | Gray  | 0  | 21.8   | 28     | 49         | 109       | 12.0           | 50   |
| EW-HY-M32/P29                | 83121018  | Gray  | 0  | 27.7   | 34.2   | 67         | 142       | 17.0           | 25   |
| EW-HY-M40/P36                | 83121020  | Gray  | 0  | 35.2   | 42     | 81         | 191       | 21.0           | 25   |
| EW-HY-M50/P48                | 83121022  | Gray  | 0  | 46.9   | 53.9   | 102        | 237       | 28.0           | 25   |
| EW-HY-70 Jumbo               | 83121026  | Gray  | 0  | 66.2   | 79.5   | 140        | 330       | 51.5           | 25   |
| EW-HY-95 Jumbo <sup>1)</sup> | 83121030  | Gray  | 0  | 90     | 105    | 150        | 400       | 90.0           | 10   |

<sup>1)</sup> No stock goods, delivery time and minimum order quantities upon request



## Type EW-HY

### Material properties



Thermoplastic elastomer



High angle consistency >500 N  
According to IEC EN 61386



Flexural fatigue strength >250000 ~  
According to IEC EN 61386

### Thermal properties



Temperature / temperature range -45 °C – 160 °C  
short term short term: 180 °C

### Fire properties



Fire classification acc. to  
UL94: HB

### Chemical resistance



Resistant to: Alcohol, Greases, Fu-  
els, Lyes, Mineral oils, Weak acids

### Technical information



Halogen-free



UV-resistant acc. to ISO  
4892-2

### Approvals and operating permits



ROBI approval

### General information



Made in Germany