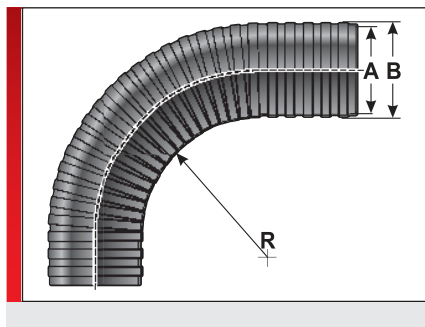


## Type EW-HY



Cable protection conduit closed

### 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 stabilised.

The EW-HY cable protection conduits are characterised by outstanding flexibility, flexural fatigue strength and good crush resistance. This product is ideal for use in hand-

ling systems and robot technology, because of its excellent flexural fatigue strength. For dynamic applications involving low to medium mechanical loads.

Applications:

- Robotics
- Handling systems

### SPECIFICATIONS

- Thermoplastic elastomer
- In conformity with IEC EN 61386 > 500 N
- > 250000 ~ In conformity with IEC EN 61386
- 45 – 160 °C transient / short term 180 °C
- HB


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Type	Order No.	Colour	A Ø mm	B Ø mm	Nominal widths NW	Size range mm	R stat. mm	R dyn. mm	Weight kg/100m	Pack m
<b>Standard corrugation</b>										
EW-HY 06	83121048	Black	6.40	9.90			18.00	40.00	2.40	50
EW-HY M12/P9	83121050	Black	9.40	12.80			21.00	51.00	3.50	50
EW-HY M16/P11	83121052	Black	12.10	15.60			28.00	68.00	4.00	50
EW-HY M20/P16S	83121054	Black	16.70	20.70			38.00	95.00	7.60	50
EW-HY M25/P21	83121056	Black	21.80	28.00			49.00	109.00	10.00	50
EW-HY M32/P29	83121058	Black	27.70	34.20			67.00	142.00	18.00	25
EW-HY M40/P36	83121060	Black	35.20	42.20			81.00	191.00	22.00	25
EW-HY M50/P48	83121062	Black	47.30	53.40			102.00	237.00	28.00	25
EW-HY 70 Jumbo	83121066	Black	66.20	79.50			140.00	330.00	50.00	25
EW-HY 95 Jumbo	83121070	Black	90.00	105.00			150.00	400.00	90.00	10
<b>Grey</b>										
EW-HY M12/P9 <sup>1)</sup>	83121010	Grey	9.40	12.80			21.00	51.00	2.80	50
EW-HY M16/P11	83121012	Grey	12.10	15.60			28.00	68.00	4.00	50
EW-HY M25/P21	83121016	Grey	21.80	28.00			49.00	109.00	13.00	50
EW-HY M32/P29	83121018	Grey	27.70	34.20			67.00	142.00	17.00	25
EW-HY M40/P36	83121020	Grey	35.20	42.20			81.00	191.00	21.00	25
EW-HY M50/P48	83121022	Grey	47.30	53.40			102.00	237.00	31.00	25
EW-HY 70 Jumbo	83121026	Grey	66.20	79.50			140.00	330.00	50.00	25
EW-HY 95 Jumbo	83121030	Grey	90.00	105.00			150.00	400.00	90.00	10

## Type EW-HY

Type	Order No.	Colour	A Ø mm	B Ø mm	Nominal widths NW	Size range mm	R stat. mm	R dyn. mm	Weight kg/100m	Pack m
<b>Narrow corrugation</b>										
EW-HY M20/P16S	83121014	Grey	16.70	20.70			38.00	95.00	6.80	50
¹) Min. order quantity 2100m										

### MATERIAL PROPERTIES

 Thermoplastic elastomer

### MECHANICAL PROPERTIES


 **Crush resistance**  
Crush resistance: > 500 N; Testing method: In conformity with IEC EN 61386; Test value: M25/P21

 **Flexural fatigue strength**  
Cycles: > 250000 ~; Testing method: In conformity with IEC EN 61386; Test value: M25/P21

### THERMAL PROPERTIES

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

### FIRE BEHAVIOUR

 **Fire classification**  
HB

### APPROVALS AND OPERATING PERMITS

 **ROBI approval**

### TECHNICAL INFORMATION

 **Halogen-free**  
DIN 53474

### CONFORMITY

 **RoHS (EC Directive 202/95/EC)**

### GENERAL INFORMATION

 **Made in Germany**

All details given in our sales material prospectuses and catalogues as well as the information available online are based on our current knowledge of the products described.

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