



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	metric	PG	NW	A Ø mm	B Ø mm	Stat./Dyn. Radius mm	Weight kg/100m	PU m
EW-HY-06 1)	83121048	Black	✓				6.45	9.7	18/40	2.4	50
EW-HY-M12/P9	83121050	Black	✓	M12	PG09	NW 10	9.9	12.5	21/51	3.2	50
EW-HY M12/P09, 200m	83121051	Black	✓	M12	PG09	NW 10	9.9	12.5	21/51	3.2	200
EW-HY-M16/P11	83121052	Black	✓	M16	PG11	NW 12	12.3	15.5	28/68	4.0	50
EW-HY-M20/ P16S	83121054	Black	✓	M20	PG16	NW 17	16.8	20.7	38/95	7.0	50
EW-HY-M25/P21	83121056	Black	✓	M25	PG21	NW 23	21.8	28	49/109	12.0	50
EW-HY-M32/P29	83121058	Black	✓	M32	PG29	NW 29	27.7	34.2	67/142	17.0	25
EW-HY-M40/P36	83121060	Black	✓	M40	PG36	NW 36	35.2	42	81/191	21.0	25
EW-HY-M50/P48	83121062	Black	✓	M50	PG48	NW 48	46.9	53.9	102/237	28.0	25
EW-HY-56 Jumbo 1)	83121065	Black	✓			NW 56	54.88	67.4	120/285	40.0	25
EW-HY-70 Jumbo	83121066	Black	✓			NW 70	66.2	79.5	140/330	51.5	25
EW-HY-95 Jumbo	83121070	Black	✓			NW 95	90	105	150/400	90.0	10
EW-HY-M12/P9 1)	83121010	Gray	✗	M12	PG09	NW 10	9.9	12.5	21/51	3.2	50



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EW-HY-M16/P11	83121012	Gray	✗	M16	PG11	NW 12	12.3	15.5	28/68	4.0	50
EW-HY-M20/ P16S	83121014	Gray	✗	M20	PG16	NW 17	16.8	20.7	38/95	7.0	50
EW-HY-M25/P21	83121016	Gray	✗	M25	PG21	NW 23	21.8	28	49/109	12.0	50
EW-HY-M32/P29	83121018	Gray	✗	M32	PG29	NW 29	27.7	34.2	67/142	17.0	25
EW-HY-M40/P36	83121020	Gray	✗	M40	PG36	NW 36	35.2	42	81/191	21.0	25
EW-HY-M50/P48	83121022	Gray	✗	M50	PG48	NW 48	46.9	53.9	102/237	28.0	25
EW-HY-70 Jumbo	83121026	Gray	✗			NW 70	66.2	79.5	140/330	51.5	25
EW-HY-95 Jumbo	83121030	Gray	✗			NW 95	90	105	150/400	90.0	10

1) No stock goods, delivery time and minimum order quantities upon request

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Material properties



Thermoplastic elastomer



High angle consistency

>230 N 50 x 50 mm According to IEC EN 61386 M25/P21 Testing at 23 °C
>410 N 100 x 100 mm According to IEC EN 61386 M25/P21 Testing at 23 °C



Flexural fatigue strength

>250000 Cycles According to IEC EN 61386 Testing at -45 °C



System tear-out strength

>270 N According to IEC EN 61386 M25/P21 Testing at 23 °C Fitting M-PRO

Thermal properties



Temperature / temperature range

-45 °C - 160 °C / short term: 180 °C

Fire properties



Fire classification

acc. to UL94: HB



Type EW-HY

Chemical resistance



Resistant to:

Alcohol
Greases
Fuels
Lyes
Mineral oils
Weak acids

Technical information



Halogen-free



UV-resistant acc. to ISO 4892-2

Approvals and operating permits



ROBI approval

Classification

ETIM 9: EC001175
ECLASS 14: 27430305
UNSPSC 26.0801: 39131601

General information



Made in Germany