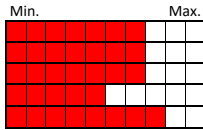


Quick Select Table: EMC Braid, Conduit and Fittings

Performance Index

- Ductility
- Fatigue Reverse Bending
- Compression Resistance
- Low Temperature
- Weathering Resistance



System Temperature Ratings:

General: -40 to +105°C (-40 to +221°F)

System Ingress Ratings:

IEC Ingress: IP66, IP67, IP68

NEMA Ingress: Type 4, 4X, 12



CYL Non-Metallic Conduit References:

- Technical Data Sheet TDS: CYL - 10010-23
- Chemical Resistance Contact Tech Support
- UL 1696 UL File: E80294
- CSA C22.2, No. 227.3 CSA File: LL-88703
- IEC/EN 61386-1, -23 EU Doc: EC-012-16-102

Typical Applications: CYL conduit ideal for use in general purpose machine building applications, good impact strength, low temperatures and very good UV performance in outdoor applications

Non-metallic Conduit												Screening Braid (Tin Plated Copper)						Polyamide bodies and threads Polyamide bodies and nickel plated brass insert threads		PMAFix Fittings w/ Adapter					EMC Connectors			Accessories									
Material: Polyamide PA6 Color: Black standard, gray optional Fine (T) and Coarse (G) profiles																																					
Trade Size Reference												NA Approvals						Type		Non-metallic Thread (IP66, NEMA 4/4X)					Lock Nuts												
UL	NW	Metric	Part No. ¹⁾	Carton ²⁾		Profile		Technical Data				UL	CSA	F.HY. (95% Cover)		F.CK. (90% Cover)		F.CU. (65% Cover)		Std.	Thread	HFAX	Straight	45°	90° (Hard)	90° (Curved)	VEMV	VEMV-SW (Swivel)	NVEZ (Strain Relief)	NPB EMC	Supports						
Inch	mm	mm		Feet	Meters	T or G	Inside Diameter	Outside Diameter	Static Bend Rad.	Part No.	NW	mm ²	Part No.	NW	mm ²	Part No.	NW	mm ²	Part No.			Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.					
1/4"	07	10	CYL-T-078-50	165	50	T	0.24	6.2	0.4	10.0	0.6	15.0			F.HY.10	10.0	3.0	F.CK.10	10.0	3.5	F.CU.10	10.0	2.0										BPH-07-Q				
5/16"	10	12	CYL-T-108-50	165	50	T	0.38	9.6	0.5	13.0	0.8	20.0			F.HY.10	10.0	3.0	F.CK.10	10.0	3.5	F.CU.10	10.0	2.0			BVND-M120GT	BVAD-M120GT	BVWD-M160GT	BVBD-M160GT	BVEMV-M120-5		NVEZ-M160/P3/L			BPH-10-Q		
3/8"	12	16	CYL-T-128-50	165	50	T	0.47	12.0	0.6	15.8	1.2	30.0	UL US	CSA	F.HY.12	12.0	3.5	F.CK.12.5	12.5	4.5	F.CU.12	12.0	3.1											BPH-12-Q			
1/2"	17	20	CYL-T-178-50	165	50	T	0.64	16.2	0.8	21.2	1.6	40.0	UL US	CSA	F.HY.15	17.0	5.3	F.CK.15	15.0	5.3															BPH-17-Q		
3/4"	23	25	CYL-T-238-50	165	50	T	0.89	22.6	1.1	28.5	1.8	45.0	UL US	CSA	F.HY.20	23.0	5.6	F.CK.20	20.0	8.5	F.CU.20	20	5.1												BPH-23-Q		
1"	29	32	CYL-T-298-50	165	50	T	1.14	29.0	1.4	34.5	2.2	55.0	UL US	CSA	F.HY.35	29.0	9.4	F.CK.30	30.0	11															BPH-29-Q		
1-1/4"	36	40	CYL-T-368-50	165	50	T	1.44	36.5	1.7	42.5	2.4	60.0	UL US	CSA	F.HY.40	36.0	15.0	F.CK.35	36.0	11	F.CU.40	40	16.5													BPH-36-Q	
1-1/2"	48	50	CYL-T-488-50	165	50	T	1.87	47.5	2.1	54.5	2.8	70.0	UL US	CSA	F.HY.40	48.0	15.0	F.CK.35	50.0	35.6	F.CU.50	50	30.5													BPH-48-Q	
3/4"	23	25	CYL-G-238-50	165	50	G	0.86	21.9	1.1	28.5	1.8	45.0	UL US	CSA	F.HY.20	23.0	5.6	F.CK.20	20.0	8.5	F.CU.20	20	5.1													BPH-23-Q	
1"	29	32	CYL-G-298-50	165	50	G	1.09	27.6	1.4	34.5	2.2	55.0	UL US	CSA	F.HY.35	29.0	9.4	F.CK.30	30.0	11																BPH-29-Q	
1-1/4"	36	40	CYL-G-368-50	165	50	G	1.42	36.0	1.7	42.5	2.4	60.0	UL US	CSA	F.HY.40	36.0	15.0	F.CK.35	36.0	11	F.CU.40	40	16.5														BPH-36-Q
1-1/2"	48	50	CYL-G-488-50	165	50	G	1.85	47.0	2.1	54.5	2.8	70.0	UL US	CSA	F.HY.40	48.0	15.0	F.CK.35	50.0	35.6	F.CU.50	50	30.5														BPH-48-Q
2"	56	68	CYL-G-568-30	100	30	G	2.22	56.3	2.6	67.2	4.7	120.0																									
2-1/2"	70	80	CYL-G-708-10	30	10	G	2.68	68.0	3.1	80.0	6.3	160.0																									
3-1/2"	95	106	CYL-G-958-10	30	10	G	3.62	91.9	4.2	106.0	8.3	210.0																									
5"	125	146	CYL-G-1258-06	19	6	G	4.98	126.5	5.7	146.0	17.7	450.0																									

Attn: PMA Quick Select Tables are intended to assist users with recommended component selection for Non-metallic Type C Cable Protection System solutions. Final component selection is the responsibility of the user based on actual application, standards and local electrical code requirements. The information in this QTS is regularly updated and is subject to change at the discretion of T&B/ABB. Go to <https://library.abb.com/> for latest document revision.

Notes:
 1) EMC Braid Solutions can be used with most PMA conduit types
 2) Packaging lengths available in cartons, standard reels and bulk reels, see publication CYL-10010-23 for details
 3)
 4)

