

Crush Resistance and Conduit Pull Force

Crush resistance values are expressed as a "percent crush" with a force of 480 pounds (2138 Nm) applied to the Type A conduit using a 4 inch width compression plate. The "percent crush" for Types B thru F conduit are less due to additional braided coverings.

Pull-force values listed indicate the axial load at which the Type A conduit braid separated at a point between the conduit end-fittings. No separation of the terminated end-fittings occurred at these force levels. Types B through F have a higher pull force due to additional braided coverings. (Note: These values are for factory installed fittings.)

DASH NO.	NOMINAL I.D.	PERCENT CRUSH	PULL FORCE	
			POUNDS	NEWTONS
08	.250 (6.4)	2.6	250	1112
12	.375 (9.5)	2.8	500	2224
16	.500 (12.7)	4.7	600	2669
20	.625 (15.9)	4.4	650	2891
24	.750 (19.1)	5.7	700	3114
32	1.000 (25.4)	5.0	750	3336
40	1.250 (31.8)	3.6	1500	6672
48	1.500 (38.1)	3.0	2000	8896
56	1.750 (44.5)	3.0	2000	8896
64	2.000 (50.8)	3.0	2000	8896
80	2.500 (63.5)	3.6	2000	8896
96	3.000 (76.2)	3.6	2000	8896

Bulk Conduit Length Tolerances

The following tolerances apply to the lengths of bulk metal-core conduit.

INCHES		CENTIMETERS	
LENGTH	TOLERANCE	LENGTH	TOLERANCE
12 - 144	+ 2.0	31 - 366	+ 5.0
145 - 600	+ 4.0	367 - 1524	+ 10.2
601 - up	+ 6.0	1525 - up	+ 15.2

Typical Minimum Conduit Lengths

The Series 75 metal-core conduit is typically supplied in the minimum lengths listed, unless otherwise requested.

Bulk conduit is typically supplied in random lengths unless otherwise specified.

Longer or continuous lengths are also available (consult factory).

DASH NO.	INCHES	[CM]
08	300	[762]
12	300	[762]
16	300	[762]
20	300	[762]
24	300	[762]
32	240	[610]
40	120	[305]
48	120	[305]
56	120	[305]
64	120	[305]
80	120	[305]
96	120	[305]



Series 75 Flexible Metal-Core Conduit Specifications

Materials

METAL-CORE CONDUIT

Inner Core:

Brass
Stainless Steel
Nickel/Iron

Braid:

Bronze
Tin/Copper
SnCuFe (Ferrous)
Stainless Steel

Jacket:

Neoprene, Hypalon, EPDM, and Viton.
For other materials consult factory.
For jacket properties see page A-5.

END FITTINGS, ADAPTERS, AND TRANSITIONS *

Aluminum
Brass
Stainless Steel
Low Carbon Steel

* Consult factory for materials not listed.

O-RINGS AND SEALS

Neoprene (standard)
Silicone (optional)

Glenair offers hundreds of fitting design options not presented in this catalog. Consult the factory for other specific end fittings or adapters you may require.

Conduit Adapter Installation Torques

The accompanying table lists suggested torque values for tightening conduit fittings to connectors and for tightening conduit end-fittings to transitions or other non-connector threads. These torque values apply only to connectors having full non-modified and non-truncated threads. For connectors with truncated threads, such as MIL-C-38999, Series II, derate the listed values by 50%.

CONNECTOR SHELL SIZE	CONDUIT DASH NO.	TORQUE	
		±5 INCH POUNDS	NEWTON METERS
08, 09		60	7
03, 10, 11	08	80	9
07, 12, 13,	12	110	12
14, 15	16	120	14
16, 17	20	120	14
18, 19, 27		120	14
20, 21, 37	24	140	16
22, 23		140	16
24, 25, 61	32	140	16
28, 29	40	150	17
32, 33	48	150	17
36		150	17
40	64	170	19
44		170	19
48		170	19