

SPECIALTY



















# CABLECON (Cable-in-Conduit) NEMA TC-7

## FEATURES



- From ½" to 6"
- Manufactured from flexible HDPE, makes gradual bends without special equipment
- Continuous lengths reduce joining costs
- Excellent low temperature properties, allows installation in cold climates
- Outstanding long term cable protection from shifting ground, rock and root impingement
- Provides a permanent pathway, simplifies future cable repairs or replacment

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<b>INSTALLATION APPLICATION:</b>	Existing Conduit, Plow, Direct Burial, Horizontal Directional Drilling, Aerial
<b>MARKET APPLICATION:</b>	 Telecom  CATV  Enterprise  C&I  Energy  DOT
<b>COLOR:</b>	            C (Custom)
<b>OPTIONS:</b>	<p><b>FOOTAGE MARKINGS:</b> Sequential foot or meter markings. Custom print streams available.</p> <p><b>SILICORE</b> is co-extruded with the tough HDPE jacket creating a super, slick permanent lining. SILICORE lined ducts allow for higher speed cable jetting and longer cable pulls.</p> <p><b>WAVE RIB:</b> Internal straight ribs</p> <p><b>PREINSTALLED TAPE:</b> Factory pre-installed Bull-Line™ Pull Tape with EVEN-LOAD™, ensures extra slack at any access point throughout the reel. Available 500lb - 6,000lb tensile strength or locatable.</p> <p><b>PREINSTALLED CABLE:</b> Specify single or multiple cables to be factory pre-installed. Cable types: Service Drops, Fiber, Coaxial, 600Volt Al, 600 Volt Cu, Medium Voltage.</p>



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## Cablecon (Cable-in-Conduit) NEMA TC-7 SPECS

WALL TYPE	PIPE SIZE	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	5"	6"
	Nom OD (in)	0.840	1.050	1.315	1.660	1.900	2.375	2.875	3.500	4.500	5.563	6.625
	OD Tolerance +/-	0.004	0.005	0.007	0.008	0.010	0.012	0.014	0.018	0.023	0.028	0.033
	Bend Radius (in) Supported	8	10	13	17	19	24	29	39	50	61	73
	Bend Radius (in) Unsupported	16	20	26	34	38	48	58	78	100	122	146
EPEC-A/SDR17	Min. Wall (in)		0.062	0.077	0.098	0.112	0.140	0.169	0.206	0.265	0.327	0.390
	Wall Tolerance +/-		0.020	0.020	0.020	0.020	0.020	0.020	0.025	0.032	0.039	0.047
	Avg ID (in)		0.906	1.141	1.440	1.656	2.075	2.517	3.063	3.939	4.869	5.799
	Weight (#/ft)		0.084	0.131	0.210	0.275	0.429	0.628	0.931	1.538	2.351	3.334
	Safe Working Load		460	722	1,150	1,507	2,355	3,450	5,114	8,453	12,918	18,321
EPEC-B/SDR 13.5	Min. Wall (in)	0.062	0.078	0.097	0.123	0.141	0.176	0.213	0.259	0.333	0.412	0.491
	Wall Tolerance +/-	0.020	0.020	0.020	0.020	0.020	0.021	0.026	0.031	0.040	0.049	0.059
	Avg ID (in)	0.696	0.874	1.101	1.394	1.598	2.002	2.423	2.951	3.794	4.689	5.585
	Weight (#/ft)	0.066	0.104	0.162	0.259	0.340	0.530	0.777	1.151	1.902	2.909	4.126
	Safe Working Load	365	570	894	1,425	1,867	2,917	4,274	6,335	10,472	16,004	22,697
EPEC-40/SCH 40	Min. Wall (in)	0.109	0.113	0.133	0.140	0.145	0.154	0.203	0.216	0.237	0.258	0.280
	Wall Tolerance +/-	0.020	0.020	0.020	0.020	0.020	0.020	0.024	0.026	0.028	0.031	0.034
	Avg ID (in)	0.602	0.804	1.029	1.360	1.590	2.047	2.445	3.042	3.998	5.016	6.031
	Weight (#/ft)	0.109	0.145	0.215	0.291	0.349	0.469	0.744	0.973	1.387	1.882	2.443
	Safe Working Load	601	798	1,340	1,604	1,919	2,579	4,090	5,348	7,618	10,320	13,395
EPEC-80/SCH 80	Min. Wall (in)	0.147	0.154	0.179	0.191	0.200	0.218	0.276	0.300	0.337	0.375	0.432
	Wall Tolerance +/-	0.020	0.020	0.021	0.023	0.024	0.026	0.033	0.036	0.040	0.045	0.052
	Avg ID (in)	0.526	0.722	0.936	1.255	1.476	1.913	2.290	2.864	3.786	4.768	5.709
	Weight (#/ft)	0.139	0.188	0.277	0.383	0.465	0.644	0.982	1.315	1.923	2.668	3.669
	Safe Working Load	768	1,040	1,533	2,116	2,564	3,545	5,409	7,238	10,578	14,669	20,172

**Notes:**

- Supported bend radius for ½" through 2 ½" is 10 times the OD while the unsupported bend radius is 20 times the OD. Supported bend radius for 3" through 6" is 11 times the OD while the unsupported bend radius is 22 times the OD. Supported bend radius for 8" through 16" is 18 times the OD while the unsupported bend radius is 27 times the OD.
- During cable placement, large sweeping bends are recommended over tighter bends. Pre-formed sweeps are recommended for conduit sizes 8" through 16" diameters.
- "Safe Working Load" is calculated using a 20% safety factor with the minimum resin tensile strength of 3,000 psi, the average OD and minimum wall thickness.