

**STANDARD**

# RIBBED IN/OUT

- Manufactured from flexible HDPE, makes gradual bends without special equipment
- External ribs help reduce spiraling during duct installation and installation forces when installed into conduit
- Internal ribs reduce the coefficient of friction during cable placement
- 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 replacement



**INSTALLATION TYPES**

Aerial  
Trench  
Subdivided Conduit  
Directional Bore  
Plow  
Tray

**SIZE RANGE AVAILABLE**

1"                      1 1/4"                      1 1/2"

**WALL TYPES**

True SIDR 9

**STANDARD COLORS**



or custom colors with optional stripes

**FEATURES**

**STANDARD**

**MATERIAL** Manufactured from flexible HDPE (High Density Polyethylene)

**SPECIFICATIONS** All Ribbed In/Ribbed Out conduit dimensions meet or exceed one or more of the following: ASTM F-2160, ASTM D-3350

**CONDUIT MARKINGS** Permanent marking along conduit includes: material, relevant standards, production info, and sequential feet or meter markings. Custom options available.

**OPTIONS**

**CO-EXTRUDED LINING** SILICORE® ULF (Ultra-Low Friction) is co-extruded inside the HDPE wall creating a slick, permanent, interior lining. With a coefficient of friction 60% lower than standard HDPE conduit without the aid of wet lubricants, SILICORE® ULF exhibits no loss in performance over time or in extreme temperature conditions.

**PRE-INSTALLED TAPE** 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.

**PRE-INSTALLED CABLE** Cable can be factory pre-installed in conduit

**UV PROTECTANT** Available for UV exposure applications (Aerial, Lashed, or External Tray)



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## RIBBED IN/OUT TECHNICAL SPECIFICATIONS

	WALL TYPE	AVG OD (IN)	MIN WALL (IN)	WALL TOLERANCE +	MIN ID (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP (IN)	BEND RADIUS UNSUP (IN)	SWPS (LB)
1"	TSIDR 9	1.274	0.111	0.020	0.952	0.190	13	26	1,168
1 1/4"	TSIDR 9	1.580	0.115	0.020	1.258	0.247	17	34	1,678
1 1/2"	TSIDR 9	1.880	0.157	0.020	1.558	0.389	19	38	2,226

### RIBBED IN/OUT NOTES

- Bend Radius  
 1/2" through 1 1/2" Supported Bend Radius 10 times the OD Unsupported Bend Radius 20 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.
- SWPS (Safe Working Pull Strength) is calculated using a 25% safety factor with the minimum resin tensile strength of 3,000 psi, the average OD and average wall thickness.
- Internal or external ribs are in addition to the average wall and for determining OD and ID dimensions. The average rib height to be added is 0.020".
- Add 0.016 #/ft for ribbed products 1 1/2" and less. For 2" and larger, add 0.025 #/ft.