

# TYPE-A PEX TUBE

## 664 & 665 SERIES

PowerPEX®

### SPECIFICATION

Sioux Chief PowerPEX® Type-A tube shall be used in hot and cold potable water distribution or for approved non-potable system applications. Tube shall be SDR-9, and made in accordance with the ASTM F876 and ASTM F877 standards, for use with ASTM approved connection systems.

### MATERIALS

Cross-linked polyethylene - Engle Process

### APPROVED APPLICATIONS

Plumbing, Radiant Heat, Fire Suppression, Geothermal, Water Reclamation, Turf Conditioning, Irrigation

### APPROVED FITTING SYSTEMS

ASTM F1807 / ASTM F1960 / ASTM F2159 / ASSE 1061

### REQUIREMENTS PER ASTM F876

Tubing conforms to ID/OD and wall thickness tolerances, hydrostatic sustained pressure, burst pressure, density, % cross-linking, material, out-of-roundness, workmanship, pressure @ hydrostatic designed stress, stress-corrosion cracking resistance, bent strength, oxidative stability, excessive temperature and pressure capacity, pipe dimensional ratio, chlorine resistance and UV resistance.

### PRESSURE DROP @ 8 FPS

1/2"	(0.208 factor @ 4 GPM × ft)	1-1/4"	(0.199 factor @ 24 GPM × ft)
5/8"	(0.189 factor @ 5.5 GPM × ft)	1-1/2"	(0.08 factor @ 16 GPM × ft)
3/4"	(0.174 factor @ 9 GPM × ft)	2"	(0.37 factor @ 34 GPM × ft)
1"	(0.148 factor @ 16 GPM × ft)		

### DIMENSIONS

Size	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"
Outer diameter <sup>1</sup>	0.625"	0.75"	0.875"	1.125"	1.375"	1.625"	2.125"
Wall thickness <sup>1</sup>	0.070"	0.90"	0.097"	0.125"	0.15"	0.181"	0.236"
Inner diameter <sup>2</sup>	0.485"	0.57"	0.681"	0.875"	1.069"	1.263"	1.653"
Coil inner diameter	18"	17"	18"	24"	n/a	n/a	n/a

1: Per ASTM F876 | 2: Calculated

### TUBE PRINT STREAM (EXAMPLE)

SIoux CHIEF POWERPEX-A SDR 9 PEX 1/2" CTS 5106 CNSFUS-PW-G U.P. CODE CSA B137.5  
ASTM F876/F877 (FITTINGS: F1807/F2159/F1960/ASSE 1061) 80PSI@200°F / 100PSI@180°F  
/ 160PSI@73°F MADE IN THE USA (DATE) (TIME STAMP) SHIFT(A,B,C)-LINE-3-C2

ITEM # SUBMITTED	_____
JOB NAME	_____
LOCATION	_____
ENGINEER	_____
CONTRACTOR	_____
PO#	_____ TAG _____



### CHLORINE/UV RESISTANCE

5106 (non-barrier), 3106 (barrier)

### LISTINGS

NSF-14, NSF-61, cNSFus-PW  
ASTM F876 / F877, IAPMO/cUPC  
ASTM F1807 / F2159 / F1960



### Create Item Number

#### ABCD

e.g. **665XA2W100**: PowerPEX Type-A PEX tube, 1/2", White, 100-ft coil.

#### COIL OR STICKS A

**664XA** = Sticks

**665XA** = Coil

#### NOM. TUBE SIZE B

**2** = 1/2"

**5** = 1-1/4"

**9** = 5/8"

**6** = 1-1/2"

**3** = 3/4"

**7** = 2"

**4** = 1"

#### COLOR C

**R** = Red

**W** = White

**B** = Blue

**H** = Red<sup>3</sup>

#### LENGTH D

**5M** = 5-ft sticks

**10** = 10-ft sticks

**20** = 20-ft sticks

**25** = 25-ft coil

**100** = 100-ft coil

**300** = 300-ft coil

**500** = 500-ft coil

**1000** = 1000-ft coil

<sup>3</sup> The 'H' designation indicates oxygen-barrier tube. All oxygen-barrier tube is Red color.

Note: Not all option combinations are available - please check our website or current catalog for product availability