

PEX TUBE

664X, 665X, 664XA & 665XA SERIES

PowerPEX®

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

SPECIFICATION

Sioux Chief PowerPEX crosslinked polyethylene tubing shall be used in hot and cold potable water distribution or for approved non-potable system applications. PowerPEX tubing is for residential, commercial or industrial facilities. PowerPEX tubing is offered as Type-B tubing for 1/2", 3/4", 1" and 1 1/4" tubing. PowerPEX tubing is offered as Type-A tubing for 1 1/2" and 2" tubing. Tubing is copper tube sized (CTS) SDR-9 tube made to ASTM F876 and ASTM F877 standards for use with ASTM approved connection systems.

MATERIALS

Type-B PEX (Silane Graft Process): 1/2", 3/4", 1", 1 1/4" tube

Type-A PEX (Engel Process): 1 1/2" & 2" tube

APPLICATIONS

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

APPROVED FITTING SYSTEMS

PEX-B Tubing: ASTM F1807 / ASTM F2080 / ASTM F2159

PEX-A Tubing: ASTM F1807 / ASTM F2080 / ASTM F2159 & ASTM F1960

REQUIREMENTS PER ASTM F876

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



CHLORINE RESISTANCE /UV RESISTANCE

PEX-B Tubing (1/2", 3/4", 1", 1 1/4"): 5206 or 5306

PEX-A White (1 1/2" & 2"): 3306

PEX-A Natural: (1/2", 3/4", 1"): 3006

HANDLING

See instruction manual and direct tube labeling.

LISTINGS

NSF-14, NSF-61, cNSFus-PW, ASTM F876, ASTM F877, IAPMO/cUPC, ASTM F1807 / ASTM F2080 / ASTM F2159 / ASTM F1960*

*Only Type-A tube carries the ASTM F1960 approval. F1960 fittings are not to be used with Type-B tubing

DIMENSIONS

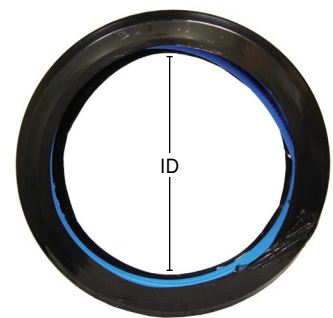
	1/2"	3/4"	1"
ID of coil	24"	24"	30"

PRESSURE DROP @ 8 F.P.S

1/2": (.208 factor @ 4 GPM x ft)	1 1/4": (.199 factor @ 24 GPM x ft)
3/4": (.174 factor @ 9 GPM x ft)	1 1/2": (.08 factor @ 16 GPM x ft)
1": (.148 factor @ 16 GPM x ft)	

TUBING PRINT STREAM EXAMPLE (FOR TYPE-B)

SIoux CHIEF POWERPEX CUPC CSA B137.5 NSF-PW ASTM F876/F877/F1807/F2159/F2080 SDR-9 PEX 1/2" CTS 5206 80PSI@200°/100PSI@180°F/160PSI@73° MADE IN THE USA (DATE) (TIME STAMP) (LINE) (CURING) (SCM)



Create Item Number

664XABC (alternate series: 664XA/665X/665XA)

e.g. **664X2W20**: PowerPEX type-B PEX tube, 1/2", White, 20ft. length
X options are Type-B PEX tube & XA options are Type-A PEX tube

SIZE A

2 = 1/2"	5 = 1 1/4"
3 = 3/4"	6 = 1 1/2"
4 = 1"	7 = 2"

COLOR B

W = white
R = red
B = blue

LENGTH C

20 = 20' stick	500 = 500' coil
100 = 100' coil	1000 = 1000' coil
300 = 300' coil	

KEY

664 = straight lengths
665 = coils
X = PEX-B
XA = PEX-A