



Field Service Bulletin

Date: January 18, 2000
Attention: Red Jacket Distributors
Subject: CpT Shielded Cable

Red Jacket CpT installations require Shielded Power Cable, and Shielded Transducer Cable. The use of non-shielded power cable or transducer cable could cause the CpT system not to work properly. To insure proper CpT installation Red Jacket shielded power cable or an Anixter equivalent is required. See below for the Anixter equivalents. Red Jacket offers the shielded transducer cable that is necessary for proper CpT installation. The only substitute for the shielded transducer cable that has been tested and approved for Red Jacket CpT installations is Belden 1121A.

CpT Shielded Power Cable maximum distances for each gauge of cable is listed below. All cables are PVC-Nylon insulated rated to 600V at 90°C.

Marley Pump
500 E. 59th Street
Davenport, IA 52807
Tel: (800) 262-7539
(319) 391-8600
Fax: (800) 304-7502

Description	Practical Maximum Length	Nominal O.D. Inches	Part Number	Equivalent
CpT Shielded Power Cable	Distance in ft		(500 ft Spool)	Anixter Wire
14 gauge (AWG)	320	.380	780-917-1	2A-1404S
12 gauge (AWG)	510	.430	780-918-1	2A-1204S
10 gauge (AWG)	800	.540	780-919-1	2A-1004S
CpT Shielded Transducer Cable	Distance in ft		(500 ft Spool)	Belden
18 gauge (AWG)	1000	.300	780-916-5	1121A

All ratings assume 230 VAC input, good connections and terminations. Low input power or poor connections will reduce distances.

One Inch I.D. conduit is recommended. Normal installation will require that the Transducer cable and the Shielded Power cable be pulled in the same conduit. Use of ¾ inch I.D. conduit with 12 and 10 AWG cable may result in damage to the cable or insulator.

Thank you for your continued support of Red Jacket. For additional information, please contact your Red Jacket Regional Sales Manager or Red Jacket Technical Service at 1-800-952-8348.

FSB-304 01/00



Marley Pump
A United Dominion Company

» *Pump and Monitoring Technology Delivering Today's Vital Resources Worldwide*