

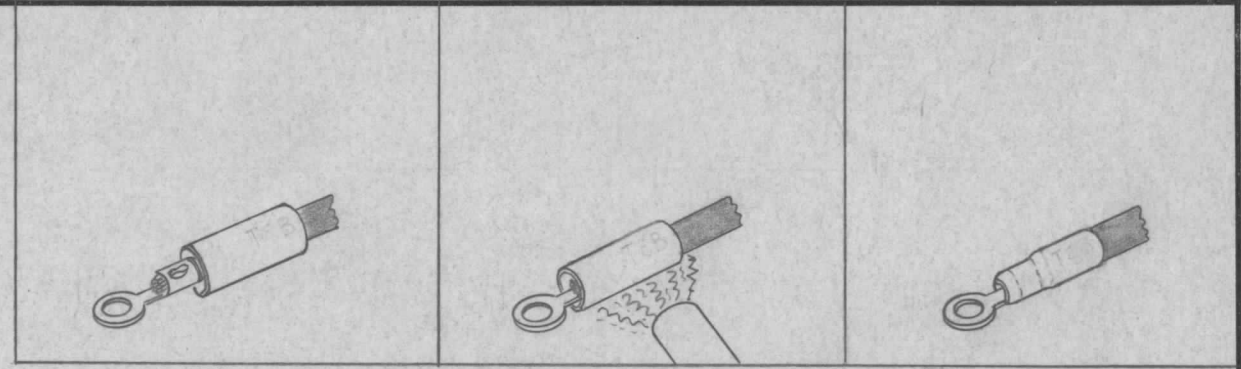
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THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

TMC Part No.	Cat. No.	Wire Sizes	Color	Length	Shrink ID	Orig. ID	Wall Shrink	REPLACED BY
PX-643-1	N375-1	7,8,9	Brown	1	.187	.375	.030	PX 830-6-1
PX-643-2	N500-1	5,6	Black	1 23/32	.250	.500	.030	PX 830-2-1
PX-643-3	N625-1	3,4	Yellow	2 1/4	.312	.625	.040	PX 830-2-1
PX-643-4	N187-1	20,22	Green	1/2	.093	.187	.025	PX 830-12-1

PX-643

SUPERSEDED  
DIRECTLY-REPLACED  
BY PX830 (SEE ABOVE CHART)



- Slip insulator over object to be insulated.
- Apply heat of 500°-750°F for a few seconds.
- Finished . . . Permanent Insulation Protection.

SPECIFICATIONS

	IRRADIATED POLYOLEFIN
Tensile Strength	3000 PSI
Elongation	350%
Brittleness Temperature	-100°F
Specific Gravity	1.20
Water Absorption (% by wt. in 24 hrs.)	0.02%
Dielectric Strength	1000 Volts/Mil
Fungus Resistance	Inert
Volume Resistivity	10 <sup>16</sup> OHM-CM
Shrink Temperature	275°F
Dielectric Constant	2.5
Flammability	Self Extinguishing
Corrosion Resistance	Inert

Irradiated Polyolefin Heat Life ° F.

1 hour	572
4 hours	482
24 hours	392
168 hours	347
1,000 hours	302
Continuous	275

B	REPLACED BY COL. ADDED, SUPERSEDED DIRECTLY-REPLACED BY PX830 ADDED	6-21-65	14294	D.V.V.	<i>[Signature]</i>	
A	PX-643-4 ADDED	6-6-63	8943	<i>[Signature]</i>	<i>[Signature]</i>	
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED:		SCALE: S401-35				
DIMENSIONS ARE IN INCHES		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.				
TOLERANCES ON FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°		REMOVE ALL BURRS AND SHARP EDGES				
		REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
SLEEVING, SHRINK				
MATERIAL				
TYPE & TEMPER		HEAT TREAT. SPEC.	DRAWN	CHECKED
			<i>[Signature]</i>	<i>[Signature]</i>
FINISH & SPEC. NO.			ELEC. DES. APP.	MECH. DES. APP.
			<i>[Signature]</i>	<i>[Signature]</i>
				PX-643
				B