	ALLEN-BE	RADLEY C	OMPANY	1	MILWAUK	EE, WISCON FORM 127	- 1				
Prepare	ed By	1124 62			Date 11/18/82	KR200					
Approv	red By		DOLLOV & BDO	CEDIIDE	Page 1 of _2						
Issued	us Danishon	11-29-22	POLICY & PRO	CEDUNE	1090 1 01						
Subject	tarmeyor	11-24-87									
	PORTA	BLE CABLE, C	OIL & WATER RES	SISTANT TI	HERMOPLASTIC INS	ULATED					
1.0	PURPOSE										
	Purchase spe	ecification for	NEC Type ST00, l	J.L. Style S	TOOW-A, C.S.A. Typ	e ST.					
2.0	APPLICABL	<u>E DATA</u>									
	Latest Editions:										
	National Electric Code: Article 400 Underwriter's Laboratories: UL 62 ICEA Publ. No. S-61-402 Canadian Stanards Association: C22.2 No. 49										
3.0	REQUIREM	ENTS									
	The cable m	nust meet the re	equirernents of U.	L. 62 and C	.s.A. C22.2 No. 4?.						
	No. of Conduction Color Colors: Cable 2	tors: AWG Se Conductors: Se tor Insulation: Code: See Table To be Non-Wi	e Table # 1 Flame Retardant e 1 cking Material -Flame Retardant								
	3.2 Packaging - See Table I										
	3.3 Identification:										
	3.3.1 3.3.2	Spools or reels A.W.G., gage, Manufacture. numbers.  Special Note: Jacket are accepted and 6000 accepting 60000 accepting 6000	voltage rating, to Designation and to The tag or reel of ceptable for continct).	labelled or imperature Date of Mfor r both must nuous imme	tagged with mfg. nar rating, U.L. and C.S. g. plus A-B purchase be marked as follow ersion in oil at tempe manufacturer's name	A. Type – Storder and mass: (Insulational contractions)	tyle, aterial on and				
REVISION	A 50267-82	conductors - resistant 60°C	AWG Gage	Typ	re STOOW-A D Type ST 105°C.	ry 105°C an	d water				

Special Notation: Future acceptance of this cable by C.S.A. for wet resistant rating type STW will require appropriate marking changes as of date accepted.

FORM 1273

Special Notation: In some specific cases Allen-Bradley may request to have an A-B Material Number also imprinted on the cable.

- 3.3.4 This material must be U.L. and C.S.A. approved.
- 3.3.5 Application rating for this material is: 60°C in oil, 105°C in air, 60°C Water Resistant.

## 4.0 QUALITY ASSURANCE PROVISION

4.1 Receiving Inspection (A-B) Shall check material this Document - KR20D-30 Paragraphs listed.

Paragraph: 3.1 (Mechanical Data)

Paragraph: 3.2.1 (Packaging)

Paragraph: 3.3.1 (A-B Material Number)

Paragraph: 3.3.2 (Spools, Reels, or Coils Identification)

Paragraph: 3.3.3 (Wire Identification)

Paragraph: 3.3.4 (U.L. and C.S.A. Approval)

Note: The cosmetic appearance of this material is of importance. Finished cable must be full & round having a circular cross section and not show any depressions. Notify Production Engineering and/or Standards Department if questionable.

- 4.2 Vendors shall be responsible for supplying materials conforming to this specification. It shall be the responsibility of the vendor to perform tests on this material to verify conformance.
- 4.3 It shall be the option of the ALLEN-BRADLEY COMPANY to verify conformance of supplied materials. In the event of non-conformance, vendors shall be informed of the test methods used to determine rejection and shall be required to adjust deficiencies.

## SOURCE OF SUPPLY

Brand Rex

## PORTABLE CABLE OIL & WATER RESISTANT

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A-B Mat'l Number	A₩G	Strand	No. Cond.	Nom. Insul. Inch	Jacket Thick. Inch	Nom. O.D. Inch	Color Codes Color-Wise	Lb/Ft	Ft/RI	U.L. Style	CSA Type
# R5816-435	#16	26/#30	2	.030	.060	.380±015	Black-white	.072	500	STOOW-	۹ ST
# R5816-436	#16	26/#30	3	.030	.060	.415±.015	Black-white-red	.104	500	STOOW-	A ST
# R5816-437	#16	26/#30	4	.030	.060	.425±.015	Black-red-orange-white	.124	500	STOOW-	4 ST
# R5816-438	#16	26/#30	5	.030	.080	-010 .500±.015	Black-white-red-green-orange	.141	500	STOOW-	A ST
* R5816-439	#16	65/#34	5	.030	.085	-010 .500±.015	Black-red-orange-white-purpl	e.150	500	STOOW-	A ST
* R5816-440	#16	65/#34	8	.030	.085	.575±.020	Black-white-brown-pink Blue-yellow-orange-red	.193	500	STOOW-	A ST
# R5816-441	#16	26/#30	9	.030	.085	.612±.020	Black-white-red-orange-green Yellow-brown-blue-pink	n .212	500	STOOW-	A ST
* R5816-442	#16	65/#34	10	.030	.085	.660±.020	Black-white-brown-pink-blue Yellow-orange-red-purple-tar		500	STOOW-	A ST
# R5816-443	#16	26/#30	4	.030	.060	.425 <u>+</u> .015	Blue-Blue-Blue	.124	500	STOOW-	A ST

## **NOTATIONS!**

Bare Copper Conductors

# Tinned Copper Conductors - with mylar tape binder .001" thick with 10% overlap

NOTE! All jackets yellow unless noted otherwise.

NOTE! Exception R5816-439 A-B Material No. to be imprinted on jacket in addition to specific identification.