



ENGINEERING

Subject Portable Cable, Oil & Water  
Resistant.No. KR20D-118

POLICY &amp; PROCEDURE

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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.

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

KR 20D-118

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A-B Mat'l Number	AWG	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-A	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-A	ST
# R5816-438	#16	26/#30	5	.030	.080	.500±.015 -010	Black-white-red-green-orange	.141	500	STOOW-A	ST
* R5816-439	#16	65/#34	5	.030	.085	.500±.015 -010	Black-red-orange-white-purple	.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	.212	500	STOOW-A	ST
* R5816-442	#16	65/#34	10	.030	.085	.660±.020	Black-white-brown-pink-blue Yellow-orange-red-purple-tan	.240	500	STOOW-A	ST
# R5816-443	#16	26/#30	4	.030	.060	.425±.015	Blue-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.