

REQUIRED PRINT LEGEND AND BASIC CONSTRUCTION REQUIREMENTS

CAROL SUPER VU-TRON III 18/Z 105°C (UL) WATER RESISTANT SJOOW CSA (-50C) FT-1 P-123-103 MSHA-300 VOLT

FOR "Z", USE VALUE FROM TABLE

ADDITIONAL REQUIREMENTS BEYOND THOSE STATED IN PRINT LEGEND

JACKET CHARACTERISTICS

MATERIAL	CPE OIL RESISTANT THERMOSET
DUROMETER	50-60 SHORE A
COLOR	YELLOW - (REFERENCE: PANTONE 108C)
CONVOLUTIONS PERMITTED	MINIMIZE

CONDUCTOR CONSTRUCTION

WIRE SIZE	#18AWG
STRANDING	41/34 OR 42/34 (41/.160mm OR 42/.16mm)
CONDUCTOR MATERIAL	BARE COPPER
INSULATION MATERIAL	EPDM OIL RESISTANT THERMOSET
INSULATION OUTSIDE DIAMETER	0.093 [2.362] MIN., 0.113 [2.870] MAX.
INSULATION DUROMETER	76+/-5 SHORE A
INSULATION COLOR	SEE DETAILS AND NOTE 4
INSULATION BREAK DOWN VOLTAGE OF INDIVIDUAL CONDUCTOR	2000VAC FOR 1 SECOND PER UL508

SHIELD CHARACTERISTICS IF REQUIRED

CONSTRUCTION (SOLID VS LAMINATE VS BRAID)	NA
MATERIAL	NA
CONDUCTIVE FOIL ORIENTATION AND FOLD TYPE IF APPLICABLE	N/A
DRAIN WIRE AND POSITION	N/A
% COVERAGE IF BRAIDED	

ADDITIONAL CONSTRUCTION REQUIREMENTS

FILLERS PERMITTED AND TYPE	FILLERS OPTIONAL
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LUBRICATION TO AID STRIPPING	PAPER WRAP
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ADDITIONAL AGENCY RATINGS REQUIRED

CABLE COLD BEND TEMPERATURE	REQUIRED - 50C PER UL 508
OIL RESISTANCE AND AGENCY STANDARD	REQUIRED PER UL 508
UV RESISTANCE AND AGENCY STANDARD	REQUIRED PER UL 508
WATER RESISTANCE AND AGENCY STANDARD	REQUIRED PER UL 62

REEL SPECIFICATIONS

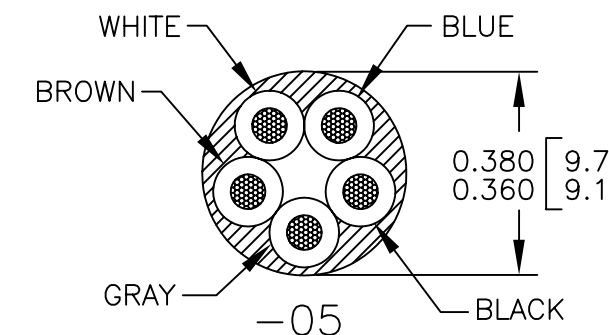
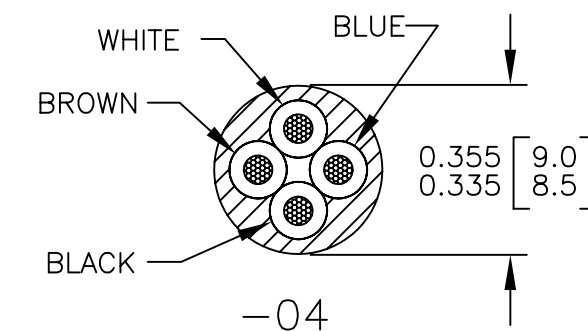
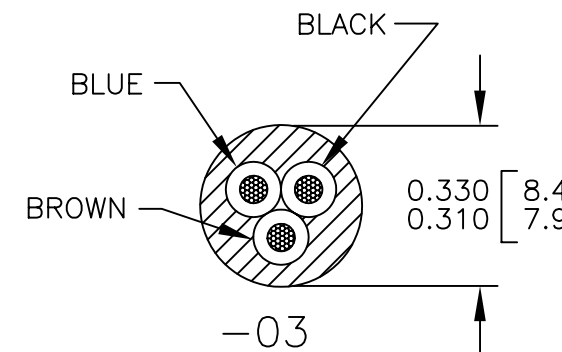
MAX REEL DIAMETER	18" [457mm]
MAX REEL HEIGHT	16" [406mm]
MAX REEL WEIGHT	100#
REEL HOLE DIAMETER	1" TO 2.5" [25.4mm TO 63.5mm]

GENERAL NOTES:

- SUPPLIERS MUST BE UL AND CSA RECOGNIZED FOR THE CONSTRUCTION OF THIS CABLE. IT IS THE SUPPLIER'S RESPONSIBILITY TO SEE THAT THE CONSTRUCTION OF THE PRODUCT AND THE PRINT LEGEND MEET AGENCY REQUIREMENTS. SUPPLIER TO NOTIFY ROCKWELL OF ANY DEVIATIONS PRIOR TO MANUFACTURING CABLE.
- WHEN LEGEND "A" USED SUPPLIERS TO INSERT THEIR UL AND CSA FILE NUMBERS IN PRINT LEGEND WHERE SHOWN.
- FILLERS IF PERMITTED MUST NOT CAUSE THE OUTER JACKET TO SHOW CONVOLUTIONS OR DISTORTION WHEN SUBJECTED TO RATED TEMPERATURE RANGE.
- ORIENTATION OF WIRE COLOR IS CRITICAL TO FINAL ASSEMBLY. CONDUCTOR COLORS SHOULD BE ORDERED COMING OFF REEL AS SHOWN PER DETAILS.
- CONCENTRICITY OF OUTER JACKET TO INNER BUNDLE- WHEN MEASURED AT ANY SINGLE CROSS SECTION, THE MEASURED "MINIMUM" WALL THICKNESS MUST BE AT LEAST 75% OF THE MEASURED "MAXIMUM" WALL THICKNESS.
- SILICONE MUST NOT BE USED IN THE CONSTRUCTION OF THIS CABLE.
- INTERNAL SPLICES NOT PERMITTED.
- SUPPLIER MUST NOT CHANGE THE MATERIALS OR PROCESS USED TO MANUFACTURE THIS PRODUCT WITHOUT PRIOR WRITTEN APPROVAL BY ROCKWELL AUTOMATION ENGINEERING.
- THIS COMPONENT AND SUB-ASSEMBLIES IF APPLICABLE SHALL BE MANUFACTURED FROM MATERIALS WHICH MEET ROCKWELL AUTOMATION RoHS PROCESS SPECIFICATION NUMBER 40001-450.

REVISIONS

E.O. NO.	REV.	DESCRIPTION	DRAFTER
0286P06	1	RELEASED -03, -04 & -05 @ CHG LTR A	BAF



A	-05	5
A	-04	4
A	-03	3
CHG LTR	DASH NO.	Z VALUE

APPROVED VENDORS:

- CAROL BRAND SUPER VU-TRON III

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS DECIMALS ANGLES

MATERIAL SEE TABLE

FINISH SEE TABLE

SCALE //

TOUGHWELD
CABLE, 18AWG,
DC COLOR CODE,
300V SJOOW

DR. B. FORTIER

DATE 11/17/05

ROCKWELL AUTOMATION
2 EXECUTIVE DRIVE
CHELMSFORD, MASSACHUSETTS 01824

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DWG. NO. 75049-080

REV. 1

SIZE B SHEET 1 OF 1