DESC: 18/2 DATACELL 1939CR				DWG NO: 1802C024.dwg
SCALE: 15x	DATE: 08/08/03	DR. BY: KJ RECTOR		NWI NO: FJ1939182-002

NORTHWIRE INC.

ITEM SPECS.

A. 18 AWG 16X30BC BUNCHED

B. 40 MIL NOMINAL FOAMED XLPE INSULATION 125℃
35 MIL MINIMUM FOAMED XLPE INSULATION 300V
OD .135±.003"

C. OLEFIN FILLER RODS NOMINAL OD .095"

D. ALUMINUM MYLAR SHIELD (DUO FOIL)

E. 18 AWG 16X30BC DRAIN WIRE

F. OPAQUE MYLAR WRAP

G. 32 MIL NOMINAL TUBED HI-PERFORMANCE ELASTOMER
24 MIL MINIMUM TUBED HI-PERFORMANCE ELASTOMER
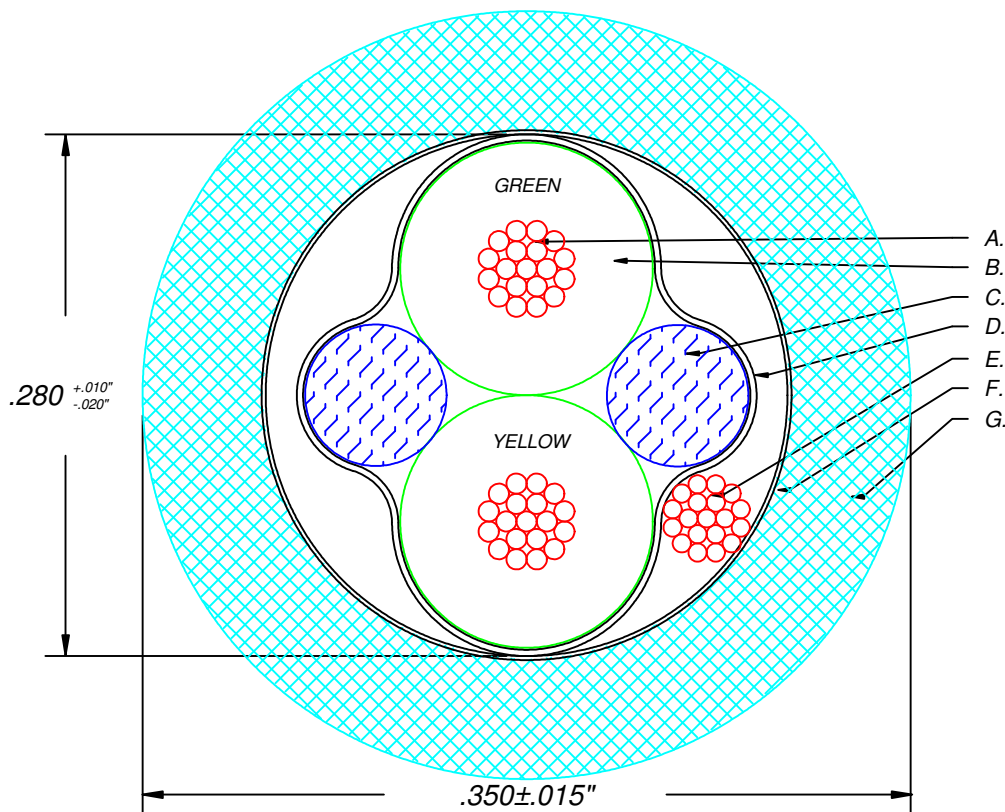COLOR BLACK 105℃ 300V

CABLE IS NOT UL OR CSA RECOGNIZED

MEETS REQUIRMENTS OF SAE J1939

GREEN
YELLOW

A.
B.
C.
D.
E.
F.
G.

.280 +.010" -.020"

.350±.015"

WHITE INK PRINTED LEGEND TO READ:

NORTHWIRE INC. DATACELL CR® 18 AWG 2C

ELECTRICAL REQUIREMENTS:

IMPEDANCE: 120 ±10% Ohms
DCR: 50 mOhm/METER MAXIMUM
VEL OF PROP: 5 ns/METER
CAPACITANCE: COND TO COND 75 pF/METER MAXIMUM
COND TO SHIELD 110 pF/METER MAXIMUM

MECHANICAL REQUIREMENTS:

NONE SPECIFIED

INCREASED INNER OD FROM .128"	N 12/06/11	GM		
ADDED OPAQUE MYLAR WRAP	M 12/10/10	KJR		
FINISHED O.D. TOLERANCE WAS ±.005"	L 2/20/09	DPL		
CORRECTED INNER OD FROM .125"	K 12/18/08	KJR		
UPDATED ELECTRICAL REQUIREMENTS	G 6/20/07	DPL		
CORE O.D. WAS .270±.005" JACKET WALL WAS 40/30 MILS	F 5/27/07	DPL	CAR 9003	
REMOVED J1939 FROM LEGEND	E 07/13/05		KJR	TC
CHG FROM 19X30TC DRAIN	D 04/08/05	KJR	BI	
CHG FILLER ROD OD FROM .110"	C 01/16/04	KJR	RM	
CHG FILLER ROD OD FRM .070"	B 11/18/03	KJR	RM	
INITIAL RELEASE	A 08/08/03	KJR		
REVISION RECORD	REV REV DATE APPROVAL APPROVAL			

If there is a change in construction a new part number needs to be created instead of revising this part. For example: stranding change would require a new part number.