



DESC: 18/2 J1939/11 TYPE CABLE 125°C

DWG NO: 1802C023.dwg

ITEM SPECS.

SCALE: 15x

DATE: 08/08/03

DR. BY: KJ RECTOR

NWI NO: FJ1939182-001

- A. 18 AWG 16X30BC BUNCHED
- B. 40 MIL NOMINAL FOAMED XLPE INSULATION 125°C
35 MIL MINIMUM FOAMED XLPE INSULATION 300V
OD .128±.003"
- C. OLEFIN FILLER RODS NOMINAL OD .095"
- D. ALUMINUM MYLAR SHIELD (DUO FOIL)
- E. 18 AWG 16X30BC DRAIN WIRE
- F. 50 MIL NOMINAL TUBED TPR JACKET 105°C 300V
44 MIL MINIMUM TUBED TPR JACKET
COLOR BLACK

CABLE IS NOT UL OR CSA RECOGNIZED
MEETS REQUIRMENTS OF SAE J1939

ELECTRICAL REQUIREMENTS:
 IMPEDANCE: 120 ±10% Ohms
 DCR: 50 mOhm/METER MAXIMUM
 TIME DELAY: 5 ns/METER
 CAPACITANCE: COND TO COND 75 pF/METER MAXIMUM
 COND TO SHIELD 110 pF/METER MAXIMUM

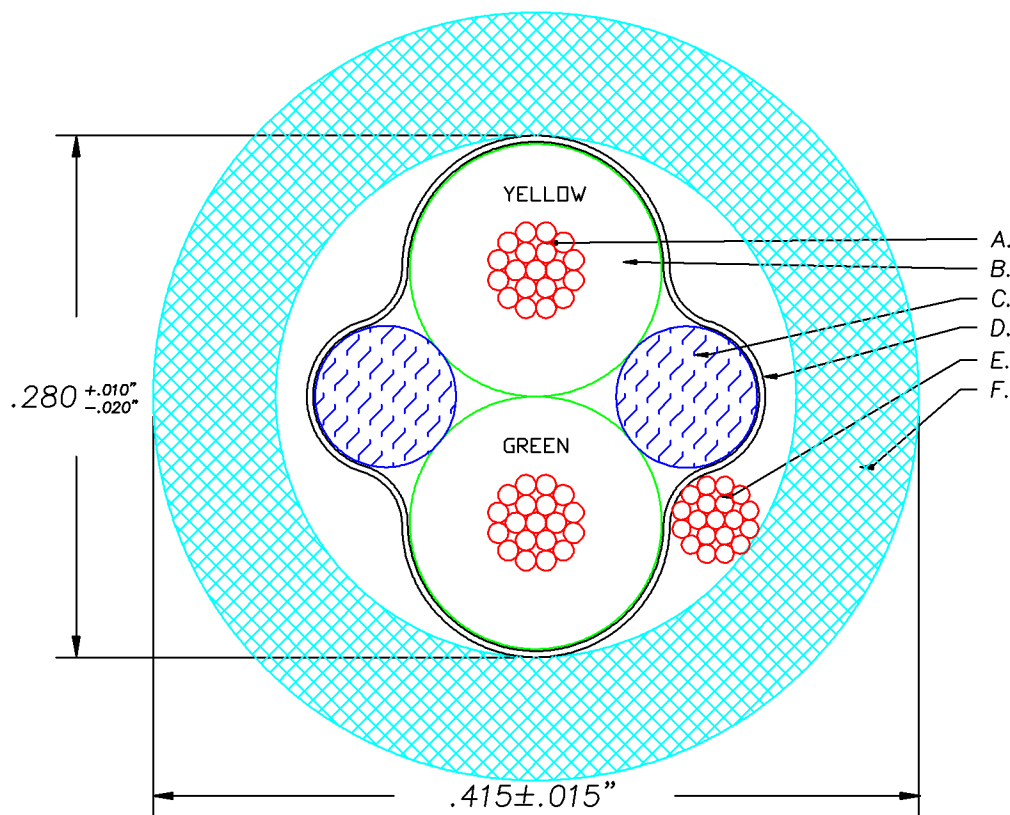
MECHANICAL REQUIREMENTS:
 NONE SPECIFIED

CUSTOMER:

CUSTOMER P/N:

NORTHWIRE RESTRICTED

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WHITE INK PRINTED LEGEND TO READ:
 NORTHWIRE INC. DATACELL® TF 18 AWG 2C

CORRECTED INNER OD FROM .125"	K	12/18/08	KJR	
CHANGED JACKET TOLERANCE FROM .415 ± .005"	J	2/1/08	KAD	
UPDATED ELECTRICAL REQUIREMENTS	I	6/20/07	DPL	
CORE O.D. WAS .270±.005"	H	5/29/07	DPL	CAR 9003
REMOVED 1939 FROM LEGEND	G	7/13/05	KJR	TC
CHANGE TO BARE COPPER DRAIN	F	4/8/05	KJR	BI
CHANGE TO BARE COPPER	E	11/9/04	KJR	BI
FINISHED O.D. WAS .375	D	2/5/04	KJR	GM
O.D. OF FILLER WAS .110	C	1/16/04	KJR	RM
O.D. OF FILLER WAS .070	B	11/18/03	KJR	RM
INITIAL RELEASE	A	8/8/03	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: strandina change would require a new part number.