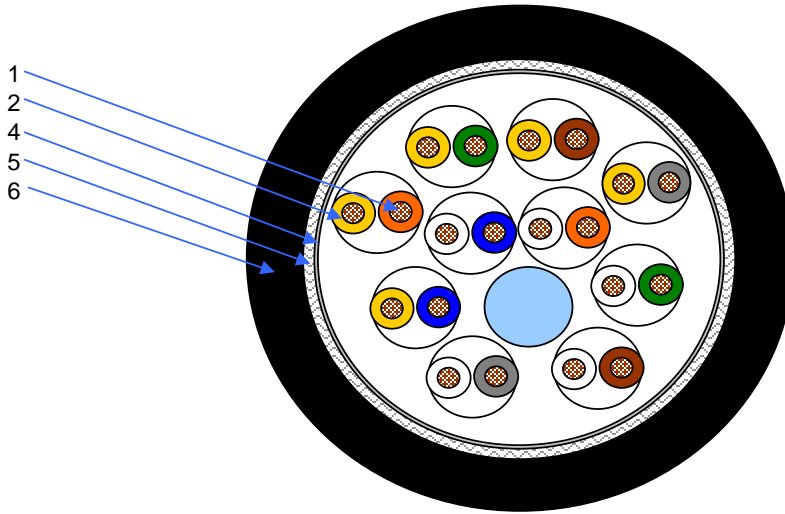


REV.	DESCRIPTION	DATE
0	Initial release.	9/24/2010
1	Add print, Changed Capacitance	3/10/2011

General Composition of Cable

Color Code

Pair 1a	White
Pair 1b	Blue
Pair 2a	White
Pair 2b	Green
Pair 3a	White
Pair 3b	Orange
Pair 4a	White
Pair 4b	Brown
Pair 5a	White
Pair 5b	Gray
Pair 6a	Yellow
Pair 6b	Blue
Pair 7a	Yellow
Pair 7b	Green
Pair 8a	Yellow
Pair 8b	Orange
Pair 9a	Yellow
Pair 9b	Brown
Pair 10a	Yellow
Pair 10b	Gray



Physical Data

Description		Dimensions (Nom.)	
		inches	mm
1. Conductor:	22 AWG 7/30 Bare Copper	0.030	0.76
2. Insulation:	PVC wall thickness: 15 mil	0.060	1.53
Pair	Twist 2 primary wires Lay Length: 1 +/- .25 Direction: Left	0.12	3.05
3. Filler:	Fibrulated Polypropylene as required to make the cable round	0.219	5.57
Cabling:	Primaries + fillers Lay Length: 3 +/- .5 Direction: Left	0.351	8.92
4. Shield	1 mil Aluminium Polyester spiral wrapped, 20% overlap min.	0.356	9.05
5 Shield	36 AWG Tinned Copper 85% minimum coverage	0.379	9.63
6. Jacket:	EXRAD XLE: wall thickness: 50 mil	0.479	12.2
	Final OD	.479 +/- .025"	
Print Legend:	CHAMPLAIN CABLE 14046 XXXXX		

Electrical Data

Nominal Impedance (TDR)	70 ohms
Capacitance @1MHz	21.00 pf/ft nominal
Conductor Resistance:	15.6 ohms / mft nominal

General Data

Use:	Heavy duty vehicles
Temperature Range:	-40° C to +105° C
Maximum Jacket Oil Resistance:	90° C
Voltage Rating:	300 Volts
Min. Bend Radius: (Fixed)	120mm
Flame Retardant Primaries	VW-1



TITLE

**Ruggedized Cable
(10 Pair) 22 AWG**

**UNLESS OTHERWISE SPECIFIED,
DIMENSIONS AND TOLERANCES
ARE IN INCHES**

DO NOT SCALE THIS DRAWING

DRN.	Rick Antic	DATE	9/24/2010
CKD.		DATE	
SIZE	PART NUMBER	DOCUMENT NUMBER	
A	15-07843-001	14046	

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