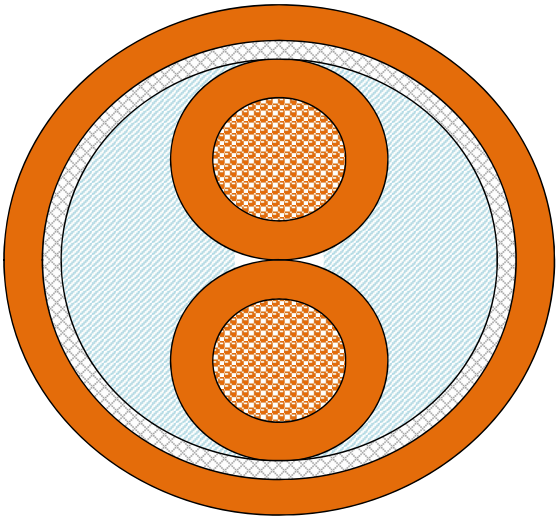
REV.	DESCRIPTION	DATE
0	Initial release	10/14/2019



Color Code	Print
Cond 1 Orange	ONE
Cond 2 Orange	TWO
Jacket Orange	

Item	Component	Description	Thickness <>	Thickness inch Nom	Thickness inch Min	Thickness mm Nom	Thickness mm Min	Dimensions <>	Dimensions inch Nom	Dimensions inch Tol	Dimensions mm Nom	Dimensions mm Tol
1.	Conductor:	4mm2 37/.38mm bare copper							0.103	0.003	2.62	0.08
2.	Insulation:	EXRAD 150 FX		0.0193	0.016	0.49	0.41	<D>	0.142	0.004	3.60	0.10
3.	Filler	Fibrillated Flame Retardant Polypropylene. 8 X 075							0.090		2.29	NA
4.	Cable:	Cable 2 X 4mm2 Leads and Fillers							0.283		7.19	NA
5.	Shield:	36 AWG TC Braid		0.0050		0.13	NA		0.305		7.75	NA
6.	Barrier	Aluminum Polyester 25% min overlap foil in		0.0015		0.04	NA		0.309		7.85	NA
7.	Jacket:	EXRAD EF-2		0.0472	0.028	1.20	0.71		0.403	0.014	10.25	0.35

Conductor Resistance:	4.71 mohms / m max.
Primary Insulation	ISO 19642 -5 Class D Thin Wall
Spark Test Voltage	6000 Volts
Voltage Rating	1000 Volts AC 1500VDC
Jacket insulation	Meets requirements of ISO 19642-9 Class D
Jacket Sparktest	3000 volts
Temperature Rating	-40 - 150C

Weight	117 lbs./1000 Feet	
min Static Bend Radius	inches	mm
	2.0	51

CHAMPLAIN CABLE

TITLE

2 X 4mm2 EXRAD FX/ERGO-Flex Shielded Cable

Special Characteristics <S> Safety <D> Dimensional	DRN. Richard Antic	DATE 10/14/2019
	CKD.	DATE
DO NOT SCALE THIS DRAWING	SIZE A / PART NUMBER TBD	18093

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