

ENGINEERING DRAWING: 15-08787-XXX

SPEC WRITER: HG

DATE: 10/27/21  
DATE: 10/17/22

REV: (-) Initial Release  
REV: 00 Add Jacket and Braid Bond

AUTHORIZATION: CC18419  
AUTHORIZATION: E23470

PRODUCT: EXTRAD ERGO-FLEX-2 95.0MM2 CABLE - CCC 18419

NOTICE: The material manufactured for this order must be traceable to raw material and production history. TRACEABILITY PROCEDURES MUST BE FOLLOWED. AUDIT # MUST BE RECORDED ON LABELS.

<D> = KEY CHARACTERISTICS

<b>CONDUCTOR:</b>	95.0MM2 2926/.20MM BC		
	Min.	Nom.	Max.
Diameter	.540"	.550"	.560"

<b>INSULATION:</b>	EXRAD ERGO-FLEX-2		
	Min.	Nom.	Max.
Dia <D>	.615"	.630"	.645"
Wall	.036"	.040"	

<b>BRAID:</b>	36 1/36 TC 9 ENDS 48 CARRIER OMA BOBBINS		
	Diameter	.651"	Nom.
	Coverage	85	Nom.
Construction	C-48	E-9	P-10

<b>JACKET:</b>	EXRAD ERGOFLEX-2		
	Min.	Nom.	Max.
Dia <D>	.753"	.768"	.783"
Wall		.0583"	

**STRIPE:** If Required - Dual Longitudinal 180° Apart

<b>PRINT:</b>	Legend	CCC 18419 95MM2 THIN WALL SHIELDED ERGOFLEX-2
	Code	XXXXX = 5 Digit Audit Sheet Number
	Spacing	12" From End of One to Begin of Next
	Where	@ Sparktest
	Type	Ink Jet

**TEST REQUIREMENTS:**

Tensile (PSI) @ 12"/Min.	1000	Min. @ Ext.	1100	Min. @ Final (Insul)
Elongation (%) @ 12"/Min	550	Min. @ Ext.	365	Min. @ Final (Insul)
Conductor to Insulation Bond @ Final 1.0" slug @ 20"/minute: Test and record bond result on traveler				
Note: Must Be Readily Strippable				
Hot Set (%)	N/A	Min. @ Ext.	50	Max. @ Final (Insul)
Tensile (PSI) @ 12"/Min.	1000	Min. @ Ext.	1100	Min. @ Final (Jkt)
Elongation (%) @ 12"/Min	550	Min. @ Ext.	365	Min. @ Final (Jkt)
Jacket only on 2" slug pulled at 20"/min:				
Jacket and Braid over primary 6" slug pulled at 20" per min:			4.0 - 25.0	Min. @ Final (Jacket)
Test and record bond result on traveler			2.0#	Min. @ Final
Note: Must Be Readily Strippable				
Bend Radius (in):			3.05	Min. @ Final (Jkt)
Bend Force (Record Only):			ISO1964-2 Section 4.3.5 @ Final Irradiation	
Hot Set (%)	N/A	Min. @ Ext.	50	Max. @ Final (Jkt)
Lumpdetector	10.0	Lump	10.0	Neckdown
Sparktest	8.0	KVAC (Insul & Jkt)		
Concentricity (%)	70	Min.		
Dry Die	2.5 Kv / 10 Seconds Conductor to Shield			
Continuity	Conductor to Shield - 0% Continuity			
Solder Iron	No Melting			

Insulation Shrinkage  
 Porosity  
 Colors  
 Maguire Color Feeder  
 Frequency of Tests

None allowed	
None Allowed	
Per SAE	
Settings Per OMP-0169	
Per QCP-0309	

**PACKAGING:**

DASH	WIRE COLOR	JACKET COLOR	STRIPE COLOR	PRINT COLOR	MIN LGTH	MAX LGTHS	PUT-UP
-900	ORG	ORG	N/A	N/A	250'/76M	1	Bulk for Packaging

**PACKAGING:**

DASH	WIRE COLOR	JACKET COLOR	STRIPE COLOR	PRINT COLOR	MIN LGTH	MAX LGTHS	PUT-UP	LABEL FORMAT
-001	ORG	ORG	N/A	BLK	250'/76M	5	1000'/305M +/-10%	GENM