

GENERAL WIRE PRODUCTS INC.
425 SHREWSBURY STREET
WORCESTER MA. USA 01604
TEL# 508-752-8260
FAX# 508-753-2173

02/26/18

TO: IEWC

ATTN: JERRY KISER

RE: PROPOSED SPECIFICATION ON FUNCTIONAL EQUAL TO PRF13022818 W/ O/A POLYURETHANE JKT.

COMPOSITE # 1 – 4 INDIVIDUALLY SHIELDED ETHERNET PAIRS 100 OHM

	OD
CONDUCTOR: # 22 19/34 TINNED COPPER	.031"
INSULATION: .020 WALL FEP FOAM	.071"
COLOR: WHT-BLU; WHT-ORG; WHT-GRN; WHT-BRN;	
TWIN 2/C 1.5" LAY	.142"
TAPE EA. PR. W. DOUBLE SIDED ALUMINUM	.150"

COMPOSITE # 2 – 3 INDIVIDUALLY SHIELDED RS-422 PAIRS 100 OHM

CONDUCTOR: # 22 19/34 TINNED COPPER	.031"
INSULATION: .020 WALL FEP FOAM	.071"
COLOR: RED-BLU; RED – ORG; RED-GRN;	
TWIN 2/C 1.75" LAY	.142"
TAPE EA. PR. W/ DOUBLE SIDED ALUMINUM	.150"

COMPOSITE # 3 – 4 INDIVIDUALLY SHIELDED POWER PAIRS # 20 AWG

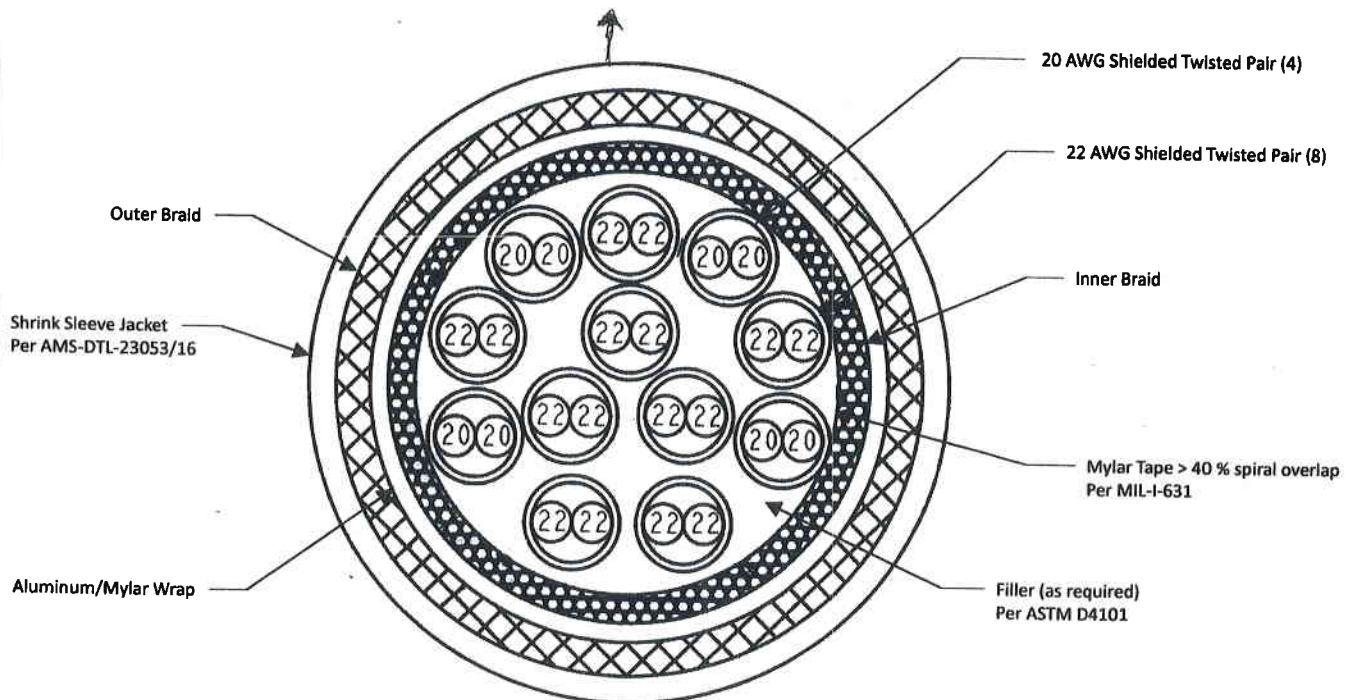
CONDUCTOR: #20 19/32 TINNED COPPER	.038"
INSULATION: .010 WALL TEFLON (22759/16-20)	.058"
COLOR: BLK-RED; BLK-WHT; BLK-GRN; BLK-BLU;	
TWIN 2/C 1.5" LAY	.116"
TAPE EA. PR. W/ DOUBLE SIDED ALUMINUM	.124"

COMPOSITE # 4 – 1 INDIVIDUALLY SHIELDED POWER PAR # 22 AWG

CONDUCTOR: #22 19/34 TINNED COPPER	.031"
INSULATION: .010 WALL TEFLON (22759/16-22)	.051"
COLOR: BLK-GRY;	
TWIN 2/C 1.25" LAY	.102"
TAPE W/ DOUBLE SIDED ALUMINUM	.110"

CABLE 12 SHIELDED PAIRS 7" LAY W/ # 22 19/34 TC DRN W/ FIBERGLASS FILLER AS REQUIRED TO MAKE ROUND	.523"
CLEAR MYLAR BINDER O/A 40% OVERLAP	.527"
BRAID SHIELD: # 36 TINNED COPPER / 95% COVERAGE	.547"
TAPE W/ ALUMINUM MYLAR (FOIL OUT)	.551"
BRAID SHIELD: # 36 TINNED COPPER / 95% COVERAGE	.571"
JACKET: .065 WALL POLYURETHANE (-60 - + 115 C.) COLOR: BLACK	.701"

PREPARED BY: THOMAS P. ANDREWS JR.



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TO: IEWC

ATTN: JERRY KISER

RE: PROPOSED SPECIFICATION ON FUNCTIONAL EQUAL TO PRF13022818 W/ O/A TEFLON JKT.

COMPOSITE # 1 – 4 INDIVIDUALLY SHIELDED ETHERNET PAIRS 100 OHM

CONDUCTOR: # 22 19/34 TINNED COPPER	.031"
INSULATION: .020 WALL FEP FOAM	.071"
COLOR: WHT-BLU; WHT-ORG; WHT-GRN; WHT-BRN;	
TWIN 2/C 1.5" LAY	.142"
TAPE EA. PR. W. DOUBLE SIDED ALUMINUM	.150"

COMPOSITE # 2 – 3 INDIVIDUALLY SHIELDED RS-422 PAIRS 100 OHM

CONDUCTOR: # 22 19/34 TINNED COPPER	.031"
INSULATION: .020 WALL FEP FOAM	.071"
COLOR: RED-BLU; RED – ORG; RED-GRN;	
TWIN 2/C 1.75" LAY	.142"
TAPE EA. PR. W/ DOUBLE SIDED ALUMINUM	.150"

COMPOSITE # 3 – 4 INDIVIDUALLY SHIELDED POWER PAIRS # 20 AWG

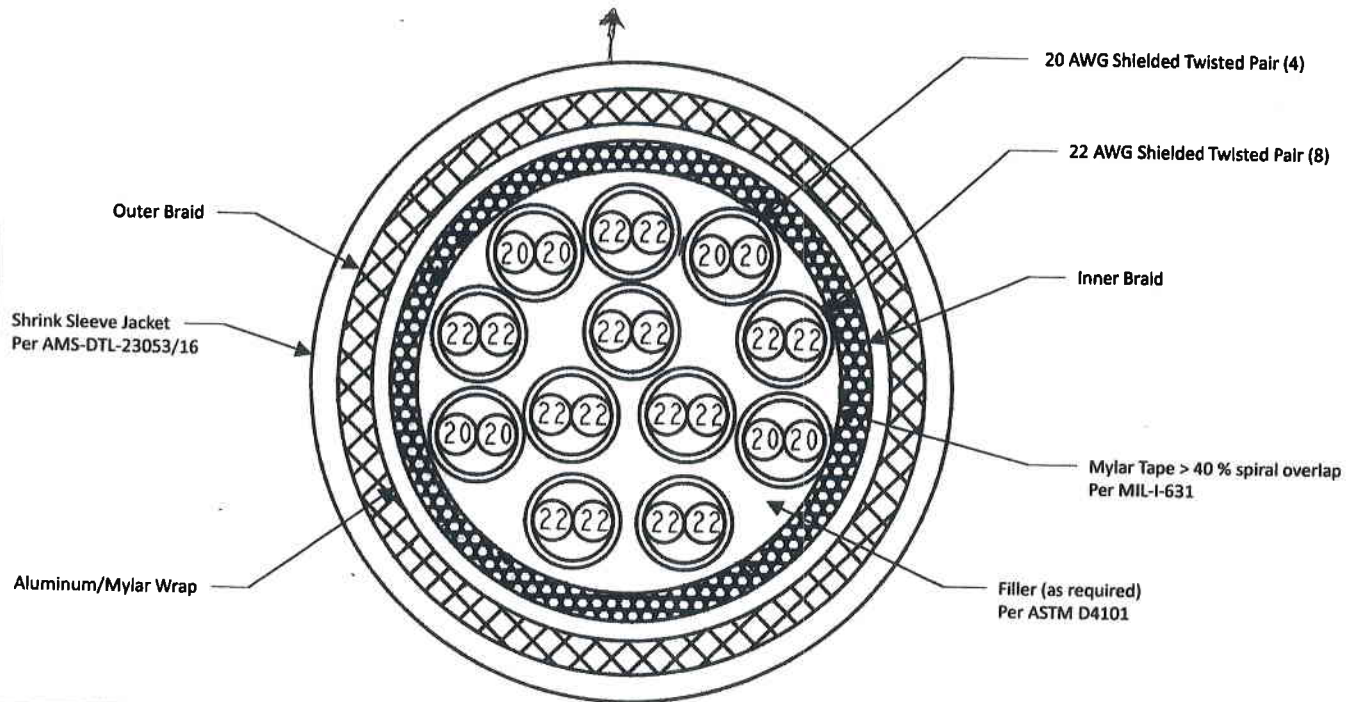
CONDUCTOR: #20 19/32 TINNED COPPER	.038"
INSULATION: .010 WALL TEFLON (22759/16-20)	.058"
COLOR: BLK-RED; BLK-WHT; BLK-GRN; BLK-BLU;	
TWIN 2/C 1.5" LAY	.116"
TAPE EA. PR. W/ DOUBLE SIDED ALUMINUM	.124"

COMPOSITE # 4 – 1 INDIVIDUALLY SHIELDED POWER PAR # 22 AWG

CONDUCTOR: #22 19/34 TINNED COPPER	.031"
INSULATION: .010 WALL TEFLON (22759/16-22)	.051"
COLOR: BLK-GRY;	
TWIN 2/C 1.25" LAY	.102"
TAPE W/ DOUBLE SIDED ALUMINUM	.110"

CABLE 12 SHIELDED PAIRS 7" LAY W/ # 22 19/34 TC DRN W/ FIBERGLASS FILLER AS REQUIRED TO MAKE ROUND	.523"
CLEAR MYLAR BINDER O/A 40% OVERLAP	.527"
BRAID SHIELD: # 36 TINNED COPPER / 95% COVERAGE	.547"
TAPE W/ ALUMINUM MYLAR (FOIL OUT)	.551"
BRAID SHIELD: # 36 TINNED COPPER / 95% COVERAGE	.571"
JACKET: .020 WALL TEFZEL ETFE (-60 - + 150 C.) COLOR: BLACK	.611"

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TO: IEWC

ATTN: JERRY KISER

RE: PROPOSED SPECIFICATION ON FUNCTIONAL EQUAL TO PRF13022818 W/ O/A FEP JKT.

COMPOSITE # 1 – 4 INDIVIDUALLY SHIELDED ETHERNET PAIRS 100 OHM	OD
CONDUCTOR: # 22 19/34 TINNED COPPER	.031"
INSULATION: .020 WALL FEP FOAM	.071"
COLOR: WHT-BLU; WHT-ORG; WHT-GRN; WHT-BRN:	
TWIN 2/C 1.5" LAY	.142"
TAPE EA. PR. W. DOUBLE SIDED ALUMINUM	.150"

COMPOSITE # 2 – 3 INDIVIDUALLY SHIELDED RS-422 PAIRS 100 OHM	
CONDUCTOR: # 22 19/34 TINNED COPPER	.031"
INSULATION: .020 WALL FEP FOAM	.071"
COLOR: RED-BLU; RED – ORG; RED-GRN;	
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COMPOSITE # 3 – 4 INDIVIDUALLY SHIELDED POWER PAIRS # 20 AWG	
CONDUCTOR: #20 19/32 TINNED COPPER	.038"
INSULATION: .010 WALL TEFLON (22759/16-20)	.058"
COLOR: BLK-RED; BLK-WHT; BLK-GRN; BLK-BLU;	
TWIN 2/C 1.5" LAY	.116"
TAPE EA. PR. W/ DOUBLE SIDED ALUMINUM	.124"

COMPOSITE # 4 – 1 INDIVIDUALLY SHIELDED POWER PAR # 22 AWG	
CONDUCTOR: #22 19/34 TINNED COPPER	.031"
INSULATION: .010 WALL TEFLON (22759/16-22)	.051"
COLOR: BLK-GRY;	
TWIN 2/C 1.25" LAY	.102"
TAPE W/ DOUBLE SIDED ALUMINUM	.110"

CABLE 12 SHIELDED PAIRS 7" LAY W/ # 22 19/34 TC DRN W/ FIBERGLASS FILLER AS REQUIRED TO MAKE ROUND	.523"
CLEAR MYLAR BINDER O/A 40% OVERLAP	.527"
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TAPE W/ ALUMINUM MYLAR (FOIL OUT)	.551"
BRAID SHIELD: # 36 TINNED COPPER / 95% COVERAGE	.571"
JACKET: .020 WALL FEP TEFLON (-60 - + 200 C.) COLOR: BLACK	.611"

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