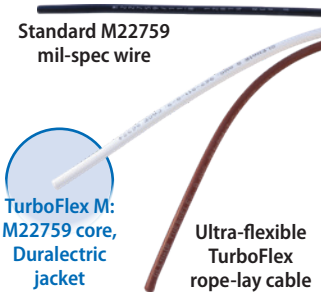
TurboFlex® M AS22759-type conductor, Duralectric™ D Insulation, 725–2875 VAC • 968-600 Imperial

TURBOFLEX M • COPPER CORE

FEATURES

- TurboFlex M, with mil-spec conductor per AS29606 provides flight heritage and the stiffness required in some installations, while Duralectric D Insulation provides more flexibility than standard mil-spec wire. 725–2875 VAC, 2450–6750 VDC-rated performance.



NOTES

1. Cable will be marked with "GLENAIR TURBOFLEX M", wire gauge, part number, CAGE 06324.
2. Conductors per AS29606
3. Bend radius (reference only) 3X O.D.
4. Designed to meet all test requirements of M16878/7, M16878/8, NEMA HB6 Type ZHS and ZHSS

How to Order TurboFlex® M

Sample Part Number	968-600	–	22	TCC	016	4	T	14	-9/6/3/5	–0
Basic No.	**TurboFlex M** = AS22759 type conductor with Duralectric D Insulation									
Shield Coverage	Shield coverage requirement does not apply if cable construction is unshielded. Use code "-" when cables are unshielded. (See Table V)									
Wire Conductor Size (See Tables)	**28**, **26**, **24**, **22**, **20**, **18**, **16**, **14**, **12**, **10**, **8**, **6**, **4**, **2**, **1**, **0**, **00**, **000**, **0000**									
Conductor Type (See Tables for Specifications, Resistance Values, and Conductor Diameter)	**NCA** = Nickel-Coated High-Strength Copper Alloy (-60° – 200°C) **NCC** = Nickel-Coated Annealed Copper (-60° – 200°C) **SCA** = Silver-Coated High-Strength Copper Alloy (-60° – 200°C) **SCC** = Silver-Coated Annealed Copper (-60° – 200°C) **TCC** = Tin-Coated Annealed Copper (-60° – 150°C)									
Duralectric D Insulation Thickness (See Tables)	**-016** = .016 **-024** = .024 **-032** = .032 **-047** = .047 **-062** = .062 **-093** = .093 **-125** = .125									
Number of Conductors	Consult factory for cable diameters exceeding 0.375 Inches. Number of conductors is dependent on maximum cable diameter capabilities.									
Shield Type	See Table III									
Jacket Type	See Table IV									
Custom Primary Wire Color Order	(If applicable)									
Custom Outer Jacket Color	(If applicable)									

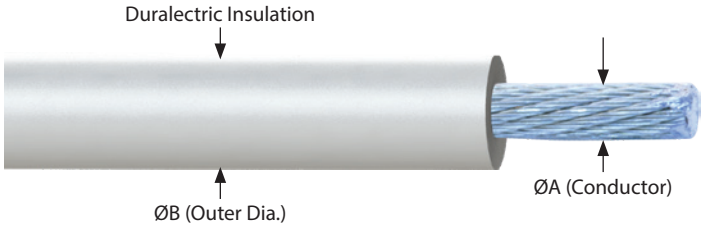


TABLE I: CONDUCTOR TYPE

Code	Conductor Description	Wire AWG	# of Conductors	Max Temperature (Information Only)
NCA	Nickel-Coated High Strength Copper Alloy	16 to 28	1,2,3,4,5	200°C (392°F)
NCC	Nickel-Coated Annealed Copper	0000 to 28	1,2,3,4,5	200°C (392°F)
SCA	Silver-Coated High Strength Copper Alloy	16 to 28	1,2,3,4,5	200°C (392°F)
SCC	Silver-Coated Annealed Copper	0000 to 28	1,2,3,4,5	200°C (392°F)
TCC	Tin-Coated Annealed Copper	0000 To 28	1,2,3,4,5	150°C (302°F)

TurboFlex® M AS22759-type conductor, Duralectric™ D Insulation, 725–2875 VAC • 968-600 Imperial

Table V: Shield Covering and Wire Color Coding	
Code	Description
A	85% Coverage, Solid Colored Wire
G	85% Coverage, Solid Colored Wire
U	85% Coverage, Custom Colors
D	90% Coverage, Solid Colored Wire
J	90% Coverage, Solid Colored Wire
V	90% Coverage, Custom Colors

Table VII: Duralectric D Insulation Color	
Weatherproof, halogen free, flame resistant	
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Kelly Green
6	Blue
7	Violet
8	Gray
9	White
Consult factory for other specific colors	

Table II: Duralectric D Insulation Thickness		
Code	Jacket Thickness (Inches)	Applicable Wire Awg
-016	0.016	8 TO 28
-024	0.024	0 TO 24
-032	0.032	00 TO 24
-047	0.047	000 TO 14
-062	0.062	0000 TO 10
-093	0.093	0000 TO 4
-125	0.125	0000 TO 4

Table III: Shield Type			
Single Shield Code	Double Shield Code	Shield Description	Max Temperature (Information Only)
T	V	Tinned Coated Copper, Round	150°C (302°F)
S	W	Silver Coated Copper, Round	200°C (392°F)
N	Y	Nickel Coated Copper, Round	260°C (500°F)
F	Z	Stainless Steel, Round	400°C (752°F)
AM	AS	Amberstrand, Round	220°C (428°F)
AR	AL	Armorlite, Round	260°C (500°F)
AC	AF	Armorlite Cf, Round	400°C (752°F)
U	U	Unshielded	-

Table IV: Jacket Type			
Single Jacket Code	Double Jacket Code	Jacket Material Desciption	Max Temperature (Information Only)
00	00	No Jacket	-
05	55	Extruded FEP, Clear	200°C (392°F)
09	59	Extruded FEP, White	200°C (392°F)
10	60	Extruded PVDF, Clear	125°C (257°F)
14	64	Extruded ETFE, White	150°C (302°F)
15	65	Extruded ETFE, Clear	150°C (302°F)
20	70	Extruded PFA, White	260°C (500°F)
21	71	Extruded PFA, Clear	260°C (500°F)
23	73	Extruded XLETFE, White	200°C (392°F)
30	80	Extruded Duralectric, Black	TBD
31	81	Extruded Polyurethane, Black	TBD
32	83	Extruded Santoprene, Black	TBD

Table VI: Color Sequence Based On Number Of Wires										
Color Codes: A, D										
Wire #	1	2	3	4	5	6	7	8	9	10
Color	White	Blue	Orange	Green	Red	Black	Yellow	Violet	Gray	Brown
Color Codes: G, J										
Wire #	1	2	3	4	5	6	7	8	9	10
Color	Red	Blue	Yellow	Green	White	Black	Brown	Orange	Violet	Gray

Respective color codes are only applicable for cable constructions with 2 or more wires. If the cable construction only has 1 wire, the wire color is white.