

Introduction

TE provides wire and cable solutions for challenging environments and demanding applications, whilst meeting a number of global military specifications. This section outlines the portfolio of Raychem wire and cable products that carries a certificate of approval for VG95218 types.

The product range includes

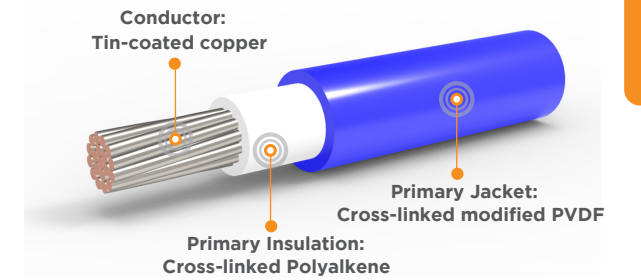
- **VG 95218 Part 20 Type A** Single Core Insulated Wire
- **VG 95218 Part 20 Type E** Single Core Insulated Wire
- **VG 95218 Part 20 Type G** Single Core Insulated Wire
- **VG 95218 Part 21 Type A** Multi Core Insulated Wire (Twisted Pair)
- **VG 95218 Part 21 Type C** Multi Core Insulated Wire (Twisted Pair / Triple / Quad Cable)
- **VG 95218 Part 21 Type E** Multi Core Insulated Wire (Twisted Pair / Triple / Quad Cable)
- **VG 95218 Part 22 Type C** Single Core Insulated Wire, Shielded & Jacketed
- **VG 95218 Part 22 Type D** Single Core Insulated Wire, Shielded & Jacketed
- **VG 95218 Part 23 Type C** Multi Core Insulated Wire, Twisted Pair / Triple / Quad / Heptad, Shielded & Jacketed Cable
- **VG 95218 Part 23 Type F** Multi Core Insulated Wire, Twisted Pair / Triple / Quad / Pentad / Hexad, Shielded & Jacketed Cable
- **VG 95218 Part 24 Type K** Single Core Insulated Wire
- **VG 95218 Part 25 Type G** Single Core Insulated Wire
- **VG 95218 Part 27 Type A** Multi Core, Primary Wires, Jacketed Cable
- **VG 95218 Part 27 Type B** Multi Core, Various components, Jacketed Cable
- **VG 95218 Part 28 Type A** Multi Core, Primary Wires / Twisted Pairs / Shielded & Jacketed Twisted Triples / Various components, Double Overall Shielded & Jacketed Cable
- **VG 95218 Part 28 Type B** Multi Core, Various components, Triple Overall Shielded & Jacketed Cable
- **VG 95218 Part 28 Type C** (LMGSGO) – Multi Core, Primary Wires, Overall Shielded & Jacketed Cable
(LFMSGGO) – Multi Core, Twisted Pairs, Overall Shielded & Jacketed Cable
(FMMSGGO) – Multi Core, Shielded & Wrapped Twisted Pairs, Overall Shielded & Jacketed Cable
(FMMSGGO) – Multi Core, Twisted Pairs or Quads, Overall Shielded & Jacketed Cable
(LFMSGGO) – Multi Core, Shielded & Wrapped Twisted Pairs/Quads, Overall Shielded & Jacketed Cable
Multi Core, Primary Wires / Twisted Pair / Various Components, Overall Shielded & Jacketed Cable
- **VG 95218 Part 28 Type D** Multi Core, Primary Wires / Twisted Pairs / Screened Jacketed Twisted Pairs / Various components, Overall Shielded & Jacketed Cable
- **VG 95218 Part 28 Type E** (LFMSGSSGO) – Multi Core, Twisted Pairs, Double Overall Shielded & Jacketed Cable
(LFMSGSSGO) – Multi Core, Shielded Wrapped Twisted Triples, Double Overall Shielded & Jacketed Cable
Multi Core, Various components, Overall Double Shielded & Jacketed Cable

VG 95218 Part 20 Type A



VG 95218 T020 A - Single Core Insulated Wire

- **Construction:** Dual-wall construction
- **Conductor:** Stranded tin-coated copper
- **Insulation:** Polyalkene (Primary), PVDF (Primary jacket)
- **Temperature Rating:** -55°C to +150°C
- **Voltage Rating:** 600V AC / 900V DC



Applications

Raychem wire fully approved VG 95218 T020 Type A has a dual-wall construction which combines the outstanding physical and electrical characteristics of radiation crosslinked Polyalkene, with the excellent mechanical and chemical properties of radiation cross-linked polyvinylidene fluoride (PVDF).

Product Information Table

Part Description	Nominal Cross Sectional Area (mm ²)	Wire Size Code (VG Dash No.)	CONDUCTOR			FINISHED WIRE						Nato Stock Number (NSN) 6145-12-	MTV Part Number 6145-005-
			Stranding No. / Diameter (mm)	Diameter (mm)		Max. Resistance @ 20°C (Ohms/km)	Diameter (mm)			Max. Weight (kg/km)			
				Min.	Max.		Lower Spec Limit	Target	Upper Spec Limit				
VG95218T020A016	0.25	16	19/0.127	0.58	0.61	86.00	1.003	1.016	1.041	2.99	165-2230	A016	
VG95218T020A001	0.40	01	19/0.16	0.74	0.76	53.10	1.168	1.194	1.219	4.40	164-8663	A001	
VG95218T020A002	0.50	02	37/0.127	0.83	0.86	42.30	1.270	1.295	1.320	5.47	306-2456	A002	
VG95218T020A003	0.60	03	37/0.14	0.93	0.96	33.50	1.372	1.397	1.422	6.60	181-1850	A003	
VG95218T020A004	0.75	04	37/0.16	1.03	1.08	26.60	1.499	1.524	1.549	8.25	187-8108	A004	
VG95218T020A005	1.00	05	37/0.18	1.18	1.23	21.00	1.651	1.676	1.702	10.29	187-6676	A005	
VG95218T020A006	1.20	06	37/0.20	1.34	1.37	16.40	1.829	1.854	1.880	12.84	187-6677	A006	
VG95218T020A007	1.50	07	37/0.23	1.49	1.53	13.50	2.032	2.057	2.083	15.85	187-8109	A007	
VG95218T020A008	2.50	08	37/0.287	1.85	1.89	8.20	2.489	2.540	2.591	24.08	187-8110	A008	
VG95218T020A017	3.00	17	37/0.32	2.13	2.16	6.63	2.692	2.743	2.794	30.09	185-3573	A017	
VG95218T020A009	4.00	09	7X33X0.16#	2.65	3.00	5.09	4.520	4.595	4.670	58.00	199-4671	A009	
VG95218T020A010	6.00	10	7X27X0.21#	3.35	3.80	3.39	5.000	5.150	5.500	79.00	307-4348	A010	
VG95218T020A011	10.00	11	19X17X0.21#	4.30	4.80	1.95	6.071	6.147	6.223	124.00	188-2429	A011	
VG95218T020A012	16.00	12	19X27X0.21#	5.20	5.80	1.24	7.010	7.061	7.112	188.00	307-4349	N/A	

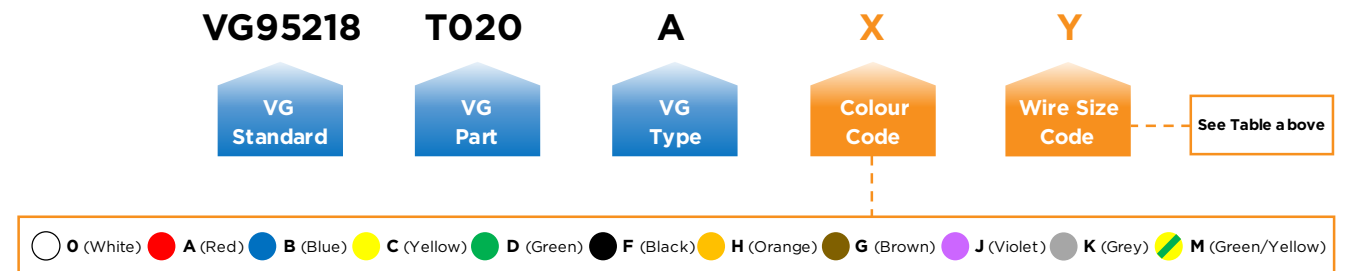
NOTES:

- Jacket marking - Not required as standard, available upon request.
- Values are for guidance only, refer to drawings for maintained product information.
- # Indicates conductor stranding diameter shall be Maximum, otherwise shall be nominal.
- VG descriptions in table refer to White Jacket. For other colors, see reference below.
- Nato Stock Numbers (NSN)/MTV apply to white wire only.

TABLE COLOR KEY:

System 25
System 100
System 200

VG Part Description



Examples:

- VG95218T020A001 : 0.40mm² conductor, White jacket, for alternative primary jacket color, use color code table above
- VG95218T020AH01 : 0.40mm² conductor, Orange jacket

T020
T021
T022
T023
T024
T025
T027
T028
T061 to 66