



ESA Approved Space Wire

Lightweight Wires and Cables for Space Applications

ESA Space Wire

Lightweight Wires and Cables for Space Applications



KEY FEATURES

- Voltage rating: 600V
- Operating temperature: -100 °C to +200 °C
- Space saving thin single wall construction
- Lightweight and thinwall radiation cross-linked modified ETFE offers optimum abrasion and cut-through resistance as well as exceptional resistance to chemicals and solvents
- Silver plated conductor and braid strands: Exceeds 2 microns ESA requirement (ESCC Generic Spec. No. 3901/Clause 9.4) for minimum plating thickness
- Low outgassing: as per ECSS-Q-ST-70-02C

Qualified per European Space Agency (ESA)

TE Connectivity (TE)'s SPEC 55 ESA Approved Space Wires and Cables have been the reliable choice in the space market for more than 20 years. In many cases SPEC 55 actually exceeds the requirements of ESA giving extra piece of mind to the major space OEMs we collaborate with on issues such as red plague to ensure a highly reliable product able to perform in space without maintenance for decades.

Product Range

TE offers a range of lightweight, radiation cross-linked modified ETFE wires and cables with silver plated conductors.

APPLICATIONS

- Space

STANDARDS

- ESCC 3901/012
- ESCC 3901/020
- ESCC 3901/022

TE Components . . . TE Technology . . . TE Know-how . . .

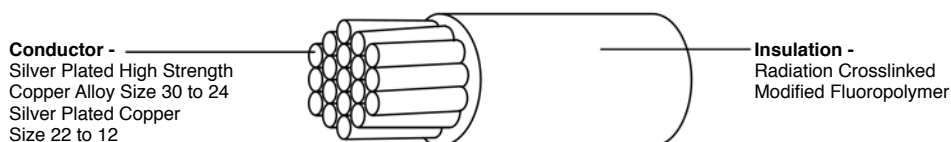
AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem
SEACON | Rochester | DEUTSCH

Empower Engineers to Solve Problems, Moving the World Forward.



ESCC 3901/012 – Standard

- Thinwall radiation cross-linked ETFE
- Primary wires and standard round braided cables



ESCC Part Number	Part Description	Conductor Stranding No./Diam. (mm)	Conductor Diameter (mm)		Maximum Resistance at 20°C (ohms/km)	Finished Wire Diameter (mm)		Maximum Weight (kg/km)
			(Min)	(Max)		(Target)	(Max)	
390101201B	55/9952-30-X(LAT#)	7/0.10	0.28	0.30	385.1	0.61	0.63	0.93
390101202B	55/9952-28-X(LAT#)	7/0.12	0.36	0.38	244.0	0.66	0.69	1.26
390101203B	55/9952-26-X(LAT#)	19/0.10	0.48	0.50	149.0	0.83	0.86	2.05
390101204B	55/9952-24-X(LAT#)	19/0.12	0.57	0.59	106.2	0.95	0.99	2.78
390101205B	55/9952-22-X(LAT#)	19/0.15	0.70	0.76	58.0	1.10	1.14	4.27
390101206B	55/9952-20-X(LAT#)	19/0.20	0.95	0.98	32.3	1.32	1.37	6.63
390101207B	55/9952-18-X(LAT#)	19/0.25	1.21	1.24	20.3	1.57	1.62	9.89
390101208B	55/9952-16-X(LAT#)	19/0.30	1.46	1.50	14.8	1.83	1.90	14.05
390101209B	55/9952-14-X(LAT#)	37/0.25	1.69	1.74	10.2	2.21	2.29	19.44
390101210B	55/9952-12-X(LAT#)	37/0.32	2.15	2.21	6.51	2.64	2.74	29.92



ESCC Part Number	Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Outside Diameter (mm)		Maximum Weight (kg/km)
				(Nom.)	(Max)	
390101211B	55/9953-30-X/X(LAT#)	30	396.7	1.21	1.26	1.88
390101212B	55/9953-28-X/X(LAT#)	28	251.3	1.33	1.38	2.53
390101213B	55/9953-26-X/X(LAT#)	26	153.5	1.66	1.72	4.13
390101214B	55/9953-24-X/X(LAT#)	24	109.4	1.90	1.97	5.61
390101215B	55/9953-22-X/X(LAT#)	22	55.9	2.20	2.28	8.59
390101216B	55/9953-20-X/X(LAT#)	20	33.3	2.64	2.73	13.35
390101217B	55/9953-18-X/X(LAT#)	18	20.9	3.14	3.25	19.92
390101218B	55/9953-16-X/X(LAT#)	16	15.2	3.66	3.79	28.31
390101219B	55/9953-14-X/X(LAT#)	14	10.5	4.42	4.57	39.16
390101220B	55/9953-12-X/X(LAT#)	12	6.71	5.29	5.47	60.27

Part Number Selection

Replace X in part description with color code as per MIL-STD-681 (see below) for primary wire insulation and jacket color required if applicable.
For Lot Acceptance Testing level required replace # with 1, 2 or 3

- | | | | |
|-------------|--------------|--------------|-------------|
| ● 0 - Black | ● 3 - Orange | ● 6 - Blue | ● 8 - Gray |
| ● 1 - Brown | ● 4 - Yellow | ● 7 - Violet | ○ 9 - White |
| ● 2 - Red | ● 5 - Green | | |

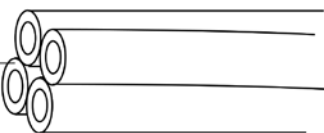


Component wire -
55/9952



ESCC Part Number	Raychem Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Outside Diameter (mm)		Maximum Weight (kg/km)
				(Nom.)	(Max)	
390101221B	55/9954-30-X/X(XLAT#)	30	396.7	1.31	1.36	2.82
390101222B	55/9954-28-X/X(XLAT#)	28	251.3	1.43	1.49	3.81
390101223B	55/9954-26-X/X(XLAT#)	26	153.5	1.79	1.86	6.19
390101224B	55/9954-24-X/X(XLAT#)	24	109.4	2.06	2.13	8.42
390101225B	55/9954-22-X/X(XLAT#)	22	55.9	2.38	2.46	12.91
390101226B	55/9954-20-X/X(XLAT#)	20	33.3	2.85	2.95	20.05
390101227B	55/9954-18-X/X(XLAT#)	18	20.9	3.39	3.51	29.91
390101228B	55/9954-16-X/X(XLAT#)	16	15.2	3.96	4.10	42.51
390101228B	55/9954-14-X/X(XLAT#)	14	10.5	4.77	4.94	58.80
390101230B	55/9954-12-X/X(XLAT#)	12	6.71	5.71	5.91	90.50

Component wire -
55/9952

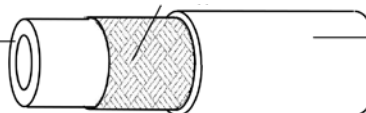


ESCC Part Number	Raychem Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Outside Diameter (mm)		Maximum Weight (kg/km)
				(Nom.)	(Max)	
390101231B	55/9955-30-X/X(XLAT#)	30	396.7	1.46	1.51	3.77
390101232B	55/9955-28-X/X(XLAT#)	28	251.3	1.60	1.66	5.08
390101233B	55/9955-26-X/X(XLAT#)	26	153.5	2.00	2.07	8.27
390101234B	55/9955-24-X/X(XLAT#)	24	109.4	2.29	2.37	11.24
390101235B	55/9955-22-X/X(XLAT#)	22	55.9	2.65	2.74	17.24
390101236B	55/9955-20-X/X(XLAT#)	20	33.3	3.18	3.29	26.78
390101237B	55/9955-18-X/X(XLAT#)	18	20.9	3.78	3.91	39.94
390101238B	55/9955-16-X/X(XLAT#)	16	15.2	4.42	4.57	56.77
390101239B	55/9955-14-X/X(XLAT#)	14	10.5	5.32	5.51	78.53
390101240B	55/9955-12-X/X(XLAT#)	12	6.71	6.37	6.59	120.86

Shield

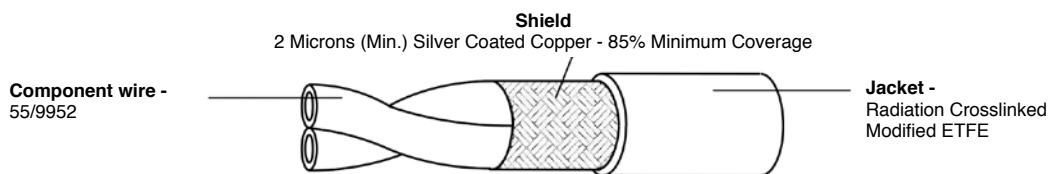
2 Microns (Min.) Silver Coated Copper - 85% Minimum Coverage

Component wire -
55/9952

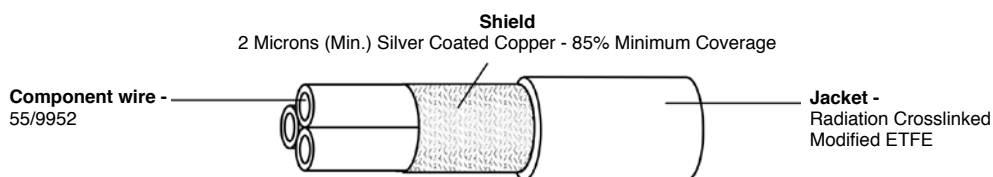


Jacket -
Radiation Crosslinked
Modified ETFE

ESCC Part Number	Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm)		Maximum Weight (kg/km)
						(Nom.)	(Max)	
390101241B	55/9956-30-X-X(LAT#)	30	396.7	0.10	0.13	1.36	1.46	4.58
390101242B	55/9956-28-X-X(LAT#)	28	251.3	0.10	0.13	1.41	1.51	5.13
390101243B	55/9956-26-X-X(LAT#)	26	153.5	0.10	0.13	1.58	1.68	6.57
390101244B	55/9956-24-X-X(LAT#)	24	109.4	0.10	0.13	1.70	1.80	7.79
390101245B	55/9956-22-X-X(LAT#)	22	55.9	0.10	0.13	1.85	2.00	10.12
390101246B	55/9956-20-X-X(LAT#)	20	33.3	0.10	0.13	2.07	2.22	13.37
390101247B	55/9956-18-X-X(LAT#)	18	20.9	0.10	0.13	2.32	2.47	17.64
390101248B	55/9956-16-X-X(LAT#)	16	15.2	0.10	0.13	2.58	2.78	23.25
390101249B	55/9956-14-X-X(LAT#)	14	10.5	0.10	0.13	2.96	3.16	30.22
390101250B	55/9956-12-X-X(LAT#)	12	6.71	0.10	0.13	3.39	3.59	42.52



ESCC Part Number	Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm)		Maximum Weight (kg/km)
						(Nom.)	(Max)	
390101251B	55/9957-30-X/X-X(LAT#)	30	396.7	0.10	0.13	1.96	2.07	7.30
390101252B	55/9957-28-X/X-X(LAT#)	28	251.3	0.10	0.13	2.08	2.18	8.31
390101253B	55/9957-26-X/X-X(LAT#)	26	153.5	0.10	0.13	2.41	2.51	10.93
390101254B	55/9957-24-X/X-X(LAT#)	24	109.4	0.10	0.13	2.65	2.75	13.17
390101255B	55/9957-22-X/X-X(LAT#)	22	55.9	0.10	0.13	2.95	3.10	17.48
390101256B	55/9957-20-X/X-X(LAT#)	20	33.3	0.10	0.13	3.39	3.54	23.64
390101257B	55/9957-18-X/X-X(LAT#)	18	20.9	0.10	0.13	3.89	4.04	31.78
390101258B	55/9957-16-X/X-X(LAT#)	16	15.2	0.10	0.13	4.41	4.61	42.39
390101259B	55/9957-14-X/X-X(LAT#)	14	10.5	0.10	0.13	5.17	5.37	55.67
390101260B	55/9957-12-X/X-X(LAT#)	12	6.71	0.10	0.13	6.04	6.24	79.56

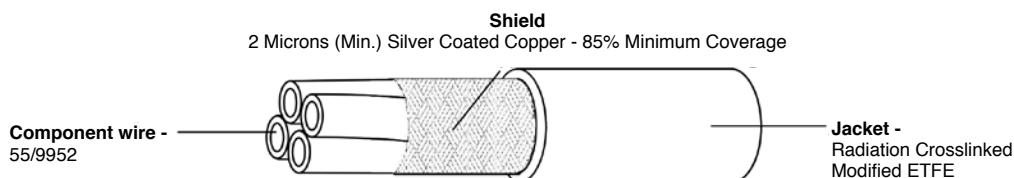


ESCC Part Number	Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm)		Maximum Weight (kg/km)
						(Nom.)	(Max)	
390101261B	55/9958-30-X/X/X-X(LAT#)	30	396.7	0.10	0.13	2.06	2.17	9.17
390101262B	55/9958-28-X/X/X-X(LAT#)	28	251.3	0.10	0.13	2.18	2.28	10.54
390101263B	55/9958-26-X/X/X-X(LAT#)	26	153.5	0.10	0.13	2.54	2.64	14.17
390101264B	55/9958-24-X/X/X-X(LAT#)	24	109.4	0.10	0.13	2.81	2.91	17.30
390101265B	55/9958-22-X/X/X-X(LAT#)	22	55.9	0.10	0.13	3.13	3.28	23.34
390101266B	55/9958-20-X/X/X-X(LAT#)	20	33.3	0.10	0.13	3.60	3.75	32.16
390101267B	55/9958-18-X/X/X-X(LAT#)	18	20.9	0.10	0.13	4.14	4.29	43.91
390101268B	55/9958-16-X/X/X-X(LAT#)	16	15.2	0.10	0.13	4.71	4.91	59.14
390101269B	55/9958-14-X/X/X-X(LAT#)	14	10.5	0.10	0.13	5.52	5.72	78.34
390101270B	55/9958-12-X/X/X-X(LAT#)	12	6.71	0.10	0.13	6.46	6.66	113.35

Part Number Selection

Replace X in part description with color code as per MIL-STD-681 (see below) for primary wire insulation and jacket color required if applicable.
For Lot Acceptance Testing level required replace # with 1, 2 or 3

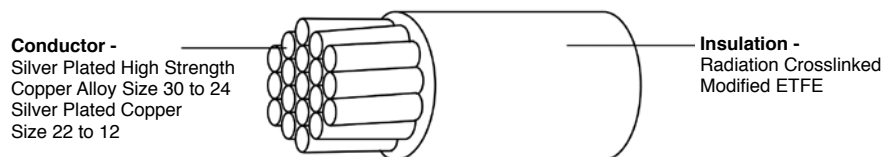
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|-------------|--------------|--------------|-------------|
| ● 0 - Black | ● 3 - Orange | ● 6 - Blue | ● 8 - Gray |
| ● 1 - Brown | ● 4 - Yellow | ● 7 - Violet | ○ 9 - White |
| ● 2 - Red | ● 5 - Green | | |



ESCC Part Number	Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm) (Nom.) (Max)	Maximum Weight (kg/km)
390101271B	55/9959-30-X/X/X-X(LAT#)	30	396.7	0.10	0.13	2.21 2.32	10.99
390101272B	55/9959-28-X/X/X-X(LAT#)	28	251.3	0.10	0.13	2.35 2.45	12.79
390101273B	55/9959-26-X/X/X-X(LAT#)	26	153.5	0.10	0.13	2.75 2.85	17.42
390101274B	55/9959-24-X/X/X-X(LAT#)	24	109.4	0.10	0.13	3.04 3.14	21.44
390101275B	55/9959-22-X/X/X-X(LAT#)	22	55.9	0.10	0.13	3.40 3.55	29.24
390101276B	55/9959-20-X/X/X-X(LAT#)	20	33.3	0.10	0.13	3.93 4.08	40.72
390101277B	55/9959-18-X/X/X-X(LAT#)	18	20.9	0.10	0.13	4.53 4.68	56.08
390101278B	55/9959-16-X/X/X-X(LAT#)	16	15.2	0.10	0.13	5.17 5.37	75.97
390101279B	55/9959-14-X/X/X-X(LAT#)	14	10.5	0.10	0.13	6.07 6.27	101.09
390101280B	55/9959-12-X/X/X-X(LAT#)	12	6.71	0.10	0.13	7.12 7.32	147.27

ESCC 3901/020 - Lightweight

- Reduced wall thickness radiation cross-linked ETFE
- Primary wires and standard round braided cables



ESCC Part Number	Part Description	Conductor Stranding No./Diam. (mm)	Conductor Diameter (mm)		Maximum Resistance at 20°C (ohms/km)	Finished Wire Diameter (mm)		Maximum Weight (kg/km)
			(Min)	(Max)		(Nom.)	(Max)	
390102001B	55/9960-30-X(LAT#)	7/0.10	0.28	0.30	385.1	0.54	0.56	0.82
390102002B	55/9960-28-X(LAT#)	7/0.12	0.36	0.38	244.0	0.60	0.63	1.15
390102003B	55/9960-26-X(LAT#)	19/0.10	0.48	0.50	149.0	0.72	0.75	1.81
390102004B	55/9960-24-X(LAT#)	19/0.12	0.57	0.59	106.2	0.84	0.87	2.50
390102005B	55/9960-22-X(LAT#)	19/0.15	0.70	0.76	58.0	0.97	1.01	3.79
390102006B	55/9960-20-X(LAT#)	19/0.20	0.95	0.98	32.3	1.22	1.26	6.25
390102007B	55/9960-18-X(LAT#)	19/0.25	1.21	1.24	20.3	1.51	1.56	9.60
390102008B	55/9960-16-X(LAT#)	19/0.30	1.46	1.50	14.8	1.83	1.90	14.05
390102009B	55/9960-14-X(LAT#)	37/0.25	1.69	1.74	10.2	2.21	2.29	19.44
390102010B	55/9960-12-X(LAT#)	37/0.32	2.15	2.21	6.51	2.64	2.74	29.92

Part Number Selection

Replace X in part description with color code as per MIL-STD-681 (see below) for primary wire insulation and jacket color required if applicable.
For Lot Acceptance Testing level required replace # with 1, 2 or 3

- | | | | |
|-------------|--------------|--------------|-------------|
| ● 0 - Black | ● 3 - Orange | ● 6 - Blue | ● 8 - Gray |
| ● 1 - Brown | ● 4 - Yellow | ● 7 - Violet | ○ 9 - White |
| ● 2 - Red | ● 5 - Green | | |



Component wire -
55/9960



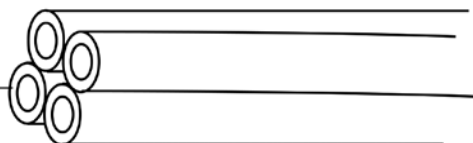
ESCC Part Number	Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Outside Diameter (mm)		Maximum Weight (kg/km)
				(Nom.)	(Max)	
390102011B	55/9961-30-X/X(LAT#)	30	423.0	1.07	1.11	1.65
390102012B	55/9961-28-X/X(LAT#)	28	256.4	1.21	1.25	2.32
390102013B	55/9961-26-X/X(LAT#)	26	154.5	1.44	1.49	3.64
390102014B	55/9961-24-X/X(LAT#)	24	109.2	1.68	1.74	5.03
390102015B	55/9961-22-X/X(LAT#)	22	59.8	1.95	2.01	7.64
390102016B	55/9961-20-X/X(LAT#)	20	33.3	2.43	2.52	12.59
390102017B	55/9961-18-X/X(LAT#)	18	20.9	3.01	3.12	19.35
390102018B	55/9961-16-X/X(LAT#)	16	15.2	3.66	3.79	28.31
390102019B	55/9961-14-X/X(LAT#)	14	10.5	4.42	4.57	39.16
390102020B	55/9961-12-X/X(LAT#)	12	6.70	5.29	5.47	60.27

Component wire -
55/9960

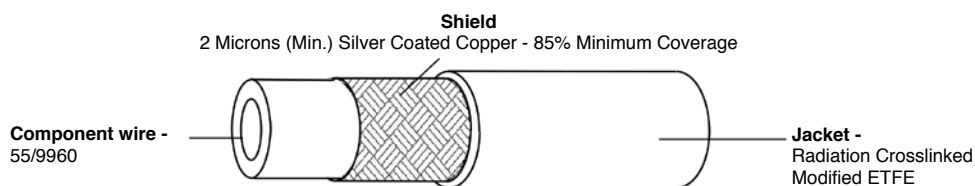


ESCC Part Number	Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Outside Diameter (mm)		Maximum Weight (kg/km)
				(Nom.)	(Max)	
390102021B	55/9962-30-X/X/X(LAT#)	30	423.0	1.16	1.20	2.47
390102022B	55/9962-28-X/X/X(LAT#)	28	256.4	1.31	1.35	3.48
390102023B	55/9962-26-X/X/X(LAT#)	26	154.5	1.56	1.61	5.47
390102024B	55/9962-24-X/X/X(LAT#)	24	109.2	1.81	1.88	7.55
390102025B	55/9962-22-X/X/X(LAT#)	22	59.8	2.10	2.18	11.47
390102026B	55/9962-20-X/X/X(LAT#)	20	33.3	2.62	2.72	18.91
390102027B	55/9962-18-X/X/X(LAT#)	18	20.9	3.25	3.36	29.06
390102028B	55/9962-16-X/X/X(LAT#)	16	15.2	3.96	4.10	42.51
390102029B	55/9962-14-X/X/X(LAT#)	14	10.5	4.77	4.94	58.80
390102030B	55/9962-12-X/X/X(LAT#)	12	6.70	5.71	5.91	90.50

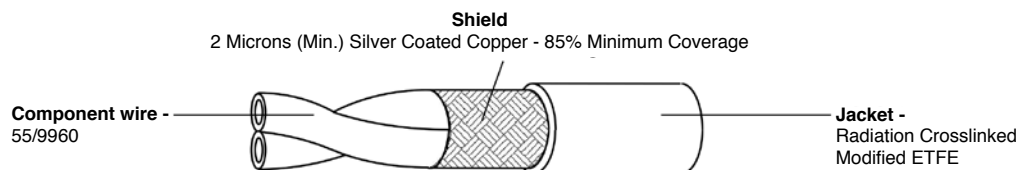
Component wire -
55/9960



ESCC Part Number	Part Description	Wire Size	Maximum Conductor Resistance (ohms/km)	Outside Diameter (mm)		Maximum Weight (kg/km)
				(Nom.)	(Max)	
390102031B	55/9963-30-X/X/X/X(LAT#)	30	423.0	1.29	1.34	3.30
390102032B	55/9963-28-X/X/X/X(LAT#)	28	256.4	1.46	1.51	4.64
390102033B	55/9963-26-X/X/X/X(LAT#)	26	154.5	1.74	1.80	7.30
390102034B	55/9963-24-X/X/X/X(LAT#)	24	109.2	2.02	2.10	10.08
390102035B	55/9963-22-X/X/X/X(LAT#)	22	59.8	2.34	2.43	15.31
390102036B	55/9963-20-X/X/X/X(LAT#)	20	33.3	2.93	3.03	25.25
390102037B	55/9963-18-X/X/X/X(LAT#)	18	20.9	3.63	3.75	38.80
390102038B	55/9963-16-X/X/X/X(LAT#)	16	15.2	4.42	4.57	56.77
390102039B	55/9963-14-X/X/X/X(LAT#)	14	10.5	5.32	5.51	78.53
390102040B	55/9963-12-X/X/X/X(LAT#)	12	6.70	6.37	6.59	120.86



ESCC Part Number	Part Description	Wire Size	Maximum Resistance at 20°C (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm) (Nom.)	Outside Diameter (mm) (Max)	Maximum Weight (kg/km)
390102041B	55/9964-30-X-X(LAT#)	30	410.0	0.10	0.125	1.29	1.39	4.18
390102042B	55/9964-28-X-X(LAT#)	28	248.9	0.10	0.125	1.35	1.45	4.78
390102043B	55/9964-26-X-X(LAT#)	26	150.0	0.10	0.125	1.47	1.57	5.91
390102044B	55/9964-24-X-X(LAT#)	24	106.0	0.10	0.125	1.59	1.69	7.06
390102045B	55/9964-22-X-X(LAT#)	22	58.0	0.10	0.125	1.72	1.87	9.09
390102046B	55/9964-20-X-X(LAT#)	20	32.3	0.10	0.125	1.97	2.12	12.57
390102047B	55/9964-18-X-X(LAT#)	18	20.3	0.10	0.125	2.26	2.41	17.10
390102048B	55/9964-16-X-X(LAT#)	16	15.2	0.10	0.125	2.58	2.78	23.25
390102049B	55/9964-14-X-X(LAT#)	14	10.5	0.10	0.125	2.96	3.16	30.22
390102050B	55/9964-12-X-X(LAT#)	12	6.70	0.10	0.125	3.39	3.59	42.52

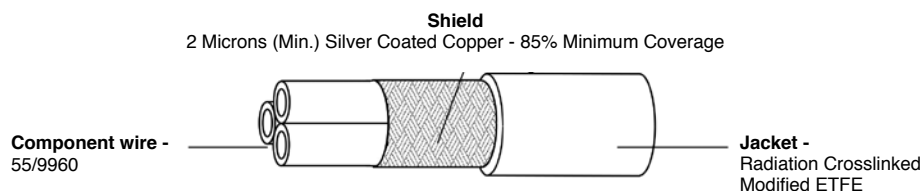


ESCC Part Number	Raychem Part Number	Wire Size	Maximum Resistance at 20°C (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm) (Nom.)	Outside Diameter (mm) (Max)	Maximum Weight (kg/km)
390102051B	55/9965-30-X/X-X(LAT#)	30	423.0	0.10	0.125	1.82	1.92	6.61
390102052B	55/9965-28-X/X-X(LAT#)	28	256.4	0.10	0.125	1.96	2.06	7.71
390102053B	55/9965-26-X/X-X(LAT#)	26	154.5	0.10	0.125	2.19	2.29	9.78
390102054B	55/9965-24-X/X-X(LAT#)	24	109.2	0.10	0.125	2.43	2.53	11.90
390102055B	55/9965-22-X/X-X(LAT#)	22	59.8	0.10	0.125	2.70	2.85	15.70
390102056B	55/9965-20-X/X-X(LAT#)	20	33.3	0.10	0.125	3.18	3.33	22.21
390102057B	55/9965-18-X/X-X(LAT#)	18	20.9	0.10	0.125	3.76	3.91	30.81
390102058B	55/9965-16-X/X-X(LAT#)	16	15.2	0.10	0.125	4.41	4.61	42.39
390102059B	55/9965-14-X/X-X(LAT#)	14	10.5	0.10	0.125	5.17	5.37	55.67
390102060B	55/9965-12-X/X-X(LAT#)	12	6.70	0.10	0.125	6.04	6.24	79.56

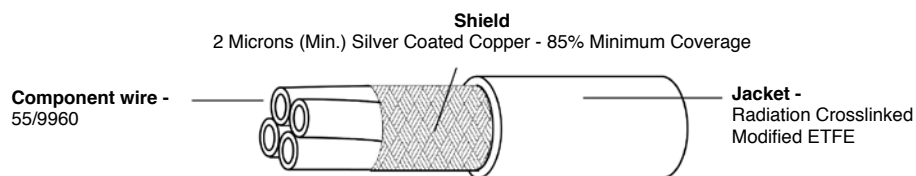
Part Number Selection

Replace X in part description with color code as per MIL-STD-681 (see below) for primary wire insulation and jacket color required if applicable.
For Lot Acceptance Testing level required replace # with 1, 2 or 3

- | | | | |
|-------------|--------------|--------------|-------------|
| ● 0 - Black | ● 3 - Orange | ● 6 - Blue | ● 8 - Gray |
| ● 1 - Brown | ● 4 - Yellow | ● 7 - Violet | ○ 9 - White |
| ● 2 - Red | ● 5 - Green | | |



ESCC Part Number	Raychem Part Description	Wire Size	Maximum Resistance at 20°C (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm) (Nom.) (Max)		Maximum Weight (kg/km)
390102061B	55/9966-30-X/X/X-X(LAT#)	30	423.0	0.10	0.125	1.91	2.01	8.25
390102062B	55/9966-28-X/X/X-X(LAT#)	28	256.4	0.10	0.125	2.06	2.16	9.76
390102063B	55/9966-26-X/X/X-X(LAT#)	26	154.5	0.10	0.125	2.31	2.41	12.64
390102064B	55/9966-24-X/X/X-X(LAT#)	24	109.2	0.10	0.125	2.56	2.66	15.59
390102065B	55/9966-22-X/X/X-X(LAT#)	22	59.8	0.10	0.125	2.85	3.00	20.93
390102066B	55/9966-20-X/X/X-X(LAT#)	20	33.3	0.10	0.125	3.37	3.52	30.22
390102067B	55/9966-18-X/X/X-X(LAT#)	18	20.9	0.10	0.125	4.00	4.15	42.57
390102068B	55/9966-16-X/X/X-X(LAT#)	16	15.2	0.10	0.125	4.71	4.91	59.14
390102069B	55/9966-14-X/X/X-X(LAT#)	14	10.5	0.10	0.125	5.52	5.72	78.34
390102070B	55/9966-12-X/X/X-X(LAT#)	12	6.70	0.10	0.125	6.46	6.66	113.35

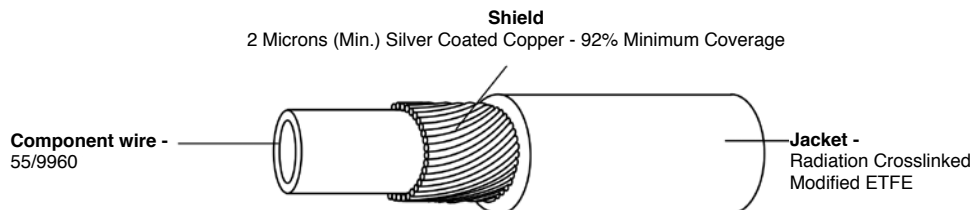


ESCC Part Number	Raychem Part Description	Wire Size	Maximum Resistance at 20°C (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm) (Nom.) (Max)		Maximum Weight (kg/km)
390102071B	55/9967-30-X/X/X/X-X(LAT#)	30	423.0	0.10	0.125	2.04	2.14	9.89
390102072B	55/9967-28-X/X/X/X-X(LAT#)	28	256.4	0.10	0.125	2.21	2.31	11.83
390102073B	55/9967-26-X/X/X/X-X(LAT#)	26	154.5	0.10	0.125	2.49	2.59	15.51
390102074B	55/9967-24-X/X/X/X-X(LAT#)	24	109.2	0.10	0.125	2.77	2.87	19.31
390102075B	55/9967-22-X/X/X/X-X(LAT#)	22	59.8	0.10	0.125	3.09	3.24	26.18
390102076B	55/9967-20-X/X/X/X-X(LAT#)	20	33.3	0.10	0.125	3.68	3.83	38.28
390102077B	55/9967-18-X/X/X/X-X(LAT#)	18	20.9	0.10	0.125	4.38	4.53	54.38
390102078B	55/9967-16-X/X/X/X-X(LAT#)	16	15.2	0.10	0.125	5.17	5.37	75.97
390102079B	55/9967-14-X/X/X/X-X(LAT#)	14	10.5	0.10	0.125	6.07	6.27	101.09
390102080B	55/9967-12-X/X/X/X-X(LAT#)	12	6.70	0.10	0.125	7.12	7.32	147.27

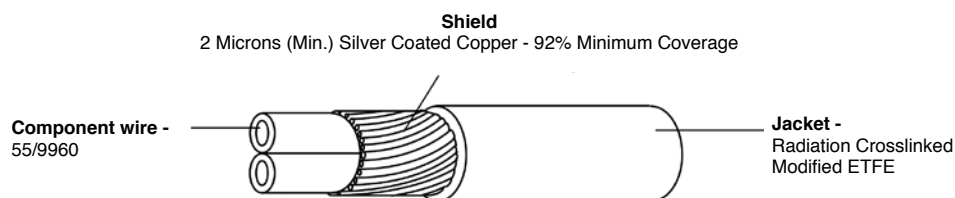


ESCC 3901/022 - Lightweight Spiral Braid Cables

- Reduced wall thickness ESCC 3901/012 component wires
- 92% min. coverage spiral braid



ESCC Part Number	Part Description	Wire Size	Maximum Resistance at 20°C (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm) (Nom.) (Max)	Maximum Weight (kg/km)
390102201B	55/9970-28-X-X(LAT#)	28	248.9	0.08	0.125	1.09 1.19	3.41
390102202B	55/9970-26-X-X(LAT#)	26	150.0	0.08	0.125	1.21 1.31	4.40
390102203B	55/9970-24-X-X(LAT#)	24	106.0	0.08	0.125	1.33 1.43	5.51
390102204B	55/9970-22-X-X(LAT#)	22	58.0	0.08	0.125	1.46 1.61	7.36
390102205B	55/9970-20-X-X(LAT#)	20	32.3	0.08	0.125	1.70 1.85	10.51
390102206B	55/9970-18-X-X(LAT#)	18	20.3	0.08	0.125	1.82 2.14	15.47

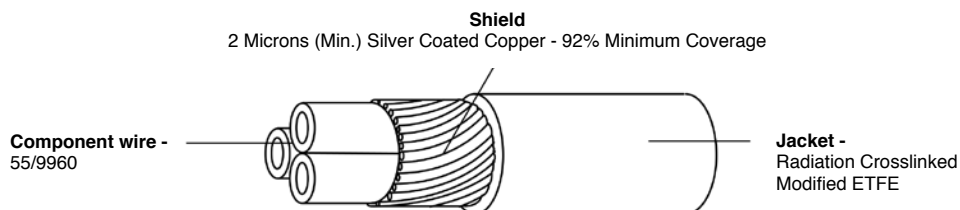


ESCC Part Number	Raychem Part Description	Wire Size	Maximum Resistance at 20°C (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm) (Nom.) (Max)	Maximum Weight (kg/km)
390102207B	55/9971-28-X/X-X(LAT#)	28	256.4	0.08	0.13	1.70 1.80	5.76
390102208B	55/9971-26-X/X-X(LAT#)	26	154.5	0.08	0.13	1.93 2.03	7.68
390102209B	55/9971-24-X/X-X(LAT#)	24	109.2	0.08	0.13	2.17 2.27	9.55
390102210B	55/9971-22-X/X-X(LAT#)	22	59.8	0.08	0.13	2.43 2.58	13.07
390102211B	55/9971-20-X/X-X(LAT#)	20	33.3	0.08	0.13	3.07 1.85	18.84
390102212B	55/9971-18-X/X-X(LAT#)	18	20.9	0.08	0.13	3.69 2.14	30.37

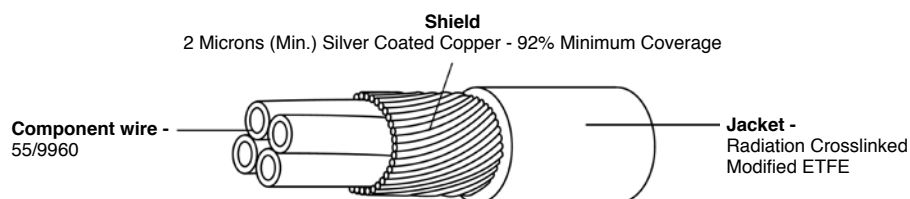
Part Number Selection

Replace X in part description with color code as per MIL-STD-681 (see below) for primary wire insulation and jacket color required if applicable.
For Lot Acceptance Testing level required replace # with 1, 2 or 3

- | | | | |
|-------------|--------------|--------------|-------------|
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| ● 1 - Brown | ● 4 - Yellow | ● 7 - Violet | ○ 9 - White |
| ● 2 - Red | ● 5 - Green | | |



ESCC Part Number	Raychem Part Description	Wire Size	Maximum Resistance at 20°C (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm) (Nom.) (Max)	Maximum Weight (kg/km)
390102213B	55/9972-28-X/X/X-X(LAT#)	28	256.4	0.08	0.13	1.79 1.89	7.48
390102214B	55/9972-26-X/X/X-X(LAT#)	26	154.5	0.08	0.13	2.05 2.15	10.10
390102215B	55/9972-24-X/X/X-X(LAT#)	24	109.2	0.08	0.13	2.30 2.40	12.90
390102216B	55/9972-22-X/X/X-X(LAT#)	22	59.8	0.08	0.13	2.59 2.74	17.81
390102217B	55/9972-20-X/X/X-X(LAT#)	20	33.3	0.08	0.13	3.15 3.30	27.81
390102218B	55/9972-18-X/X/X-X(LAT#)	18	20.9	0.08	0.13	3.78 3.93	39.76



ESCC Part Number	Product Description	Wire Size	Maximum Resistance at 20°C (ohms/km)	Shield Size (mm)	Wall Thickness (mm) Min.	Outside Diameter (mm) (Nom.) (Max)	Maximum Weight (kg/km)
390102219B	55/9973-28-X/X/X/X-X(LAT#)	28	256.4	0.08	0.13	2.04 2.14	12.99
390102220B	55/9973-26-X/X/X/X-X(LAT#)	26	154.5	0.08	0.13	2.33 2.43	17.11
390102221B	55/9973-24-X/X/X/X-X(LAT#)	24	109.2	0.08	0.13	2.61 2.71	21.11
390102222B	55/9973-22-X/X/X/X-X(LAT#)	22	59.8	0.08	0.13	2.93 3.08	28.35
390102223B	55/9973-20-X/X/X/X-X(LAT#)	20	33.3	0.08	0.13	3.51 3.66	38.83
390102224B	55/9973-18-X/X/X/X-X(LAT#)	18	20.9	0.08	0.13	4.21 4.36	55.42

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2362458-1 09/19