

RIKEN AMERICAS

Wire & Cable

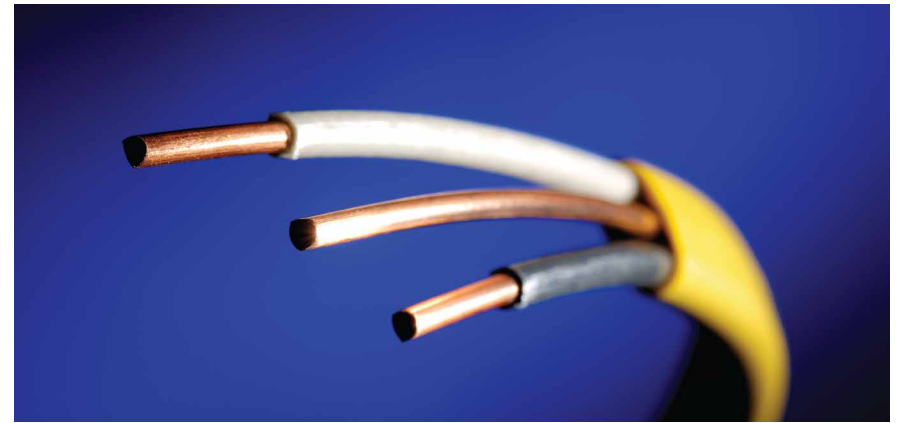
Compounds

UL Listed Compounds
Available Flame Retardant, UV, and Oil Resistant
Custom Colors



Building Wire	TW, THW, THHW, THW-2, THHN, THWN, THWN-2	TW, THW, THHW, THW-2, THHN, THWN, THWN-2	TW, THW, THHW, THW-2, THHN, THWN, THWN-2*	THW, THHW, PR I, VW-1	TR-64, CSA	TW, THW, THHW	TW, THW, THHW	TW, THHW	TW, THW* NM B	CATV, NM, UF, SE Jackets
	5797	5797A	5797-1	5793-3	CD-02775-1	5794-3	5794	5793-2	57005A-87	2700E
Use: Insulation=I, Jacket=J	I	I	I/J	I/J	I/J	I/J	I/J	I/J	I/J	J
Temperature Rating (°C)	105	105	105	105	105	105	105	105	80	60
Specific gravity	1.3	1.3	1.38	1.3	1.31	1.31	1.27	1.28	1.32	1.42
Hardness (10 sec)	94A	94A	88A	88A	87A	84A	80A	72C	87A	80A
Tensile Strength psi	2700	2700	2500	2300	2420	2890	2400	2500	2700	2100
Elongation %	300	300	320	300	320	370	375	320	355	300
Brittleness temperature (°C)	-24.5	-23	-23	-22	-20	-25	-33	-23	-25	NA
Volume Resistivity @ 50°C (Ωcm)	10 x 10 ¹²	10 x 10 ¹²	20 x 10 ¹²	10 x 10 ¹²	5 x 10 ¹²	10 x 10 ¹²	10 x 10 ¹²	10 x 10 ¹²	1 x 10 ¹²	NA
Limiting Oxygen Index (%)	28	28	28	28	26	29	26	28	27	NA
Flame Rating	VW-1	VW-1	VW-1	VW-1	NA	VW-1 & FT4	VW-1	VW-1	VW-1	NA
Oil resistance	I/II	I/II	I/II	Yes	Yes	Yes	I/II	Yes	I	NA
Sunlight Resistance	Yes	Yes	Yes	Yes	NA	Yes	Yes	Yes	Yes	Yes
UL approval File #	E130347 QMTT2	E130347 QMTT2	E130347 QMTT2	NA	NA	NA	E130347 QMTT2	NA	E130347 QMTT2	NA

Service Cords	SJT, ST, SJTO, STO	SPT, Class 11&12	SJTW	Extention Cord Insulation	Extension Cord Jacket	SJTOW
	CD-02775-1	57016-89	57044-85 FR	57044-85	57017-85	3290-70
Use: Insulation=I, Jacket=J	I/J	I	J	I	J	J
Temperature Rating (°C)	105	75	75	75	75	75*
Specific gravity	1.31	1.38	1.42	1.41	1.43	1.24
Hardness (10 sec)	87A	89A	85A	85A	85A	70A
Tensile Strength psi	2420	2600	2510	2500	2100	2590
Elongation %	320	255	355	365	260	380
Brittleness temperature (°C)	-20	-15	-26	-26	-20	-40
Volume Resistivity @ 50°C (Ωcm)	5 x 10 ¹²	10 x 10 ¹²	NA	NA	NA	NA
Limiting Oxygen Index (%)	26	25.5	26.5	23.5	23	23
Flame Rating	VW-1	NA	FT-2	NA	NA	FT-2
Oil resistance	Yes	NA	No	No	NA	Yes
Sunlight Resistance	Yes	NA	Yes	No	NA	Yes
UL approval File #	NA	NA	E130347 QMTT2	NA	NA	E130347 QMTT2



Antimony Free	Sheath
	BHG0001A
Use: Insulation=I, Jacket=J	J
Temperature Rating (°C)	105
Specific gravity	1.3
Hardness (10 sec)	68A
Tensile Strength psi	2390
Elongation %	365
Brittleness temperature (°C)	-41
Volume Resistivity @ 50°C (Ωcm)	NA
Limiting Oxygen Index (%)	31
Flame Rating	UL94 V-0 equivalent
Oil resistance	Yes
Sunlight Resistance	NA
UL approval	NA

Cross Linked

	AVSX	AVSX	AVSX	AVSX	AVSX	AVSX
	CD-03435-2	56044-91	CD-02834	CD-02970A	CD-03245-1	CD-03579-1
Use: Insulation=I, Jacket=J	I	I	I	I	I	I
Temperature Rating (°C)	105	105	105	105	105	105
Specific gravity	1.32	1.32	1.25	1.28	1.3	1.26
Hardness (10 sec)	51D	90A	85A	84A	82A	75A
Tensile Strength psi	3640	3300	3090	2750	2,000 min	2820
Elongation %	250	350	380	360	300 min	395
Volume Resistivity @ 50°C (Ωcm)	10 x 10 ¹²	10 x 10 ¹²	2.0 x 10 ¹²	10 x 10 ¹²	10 x 10 ¹²	10 x 10 ¹²



Conduit

	NMC Jacket	NMC Jacket	SJTOW	NMC Jacket
	3295-77	3290-77	3290-70	57019-82
Use: Insulation=I, Jacket=J	J	J	J	J
Temperature Rating (°C)	105	80	75*	60
Specific gravity	1.24	1.24	1.24	1.39
Hardness (10 sec)	77A	77A	70A	82A
Tensile Strength psi	2470	2750	2590	2300
Elongation %	390	390	380	300
Brittleness temperature (°C)	-30	-40	-40	-25
Volume Resistivity @ 50°C (Ωcm)	NA	NA	NA	NA
Limiting Oxygen Index (%)	24	24	23	24
Flame Rating	FT-2	FT-2	FT-2	FT-2
Oil resistance	Yes	Yes	Yes	Yes
Sunlight Resistance	Yes	Yes	Yes	Yes
UL approval File #	NA	NA	130347 QMTT2	NA

Communication Wire

	CMP	CMR
	57048-95 FR	57050-89 FR
Use: Insulation=I, Jacket=J	I/J	J
Temperature Rating (°C)	75	75
Specific gravity	1.6	1.44
Hardness (10 sec)	95A	89A
Tensile Strength psi	2260	2660
Elongation %	185	305
Brittleness temperature (°C)	-9	-30
Dielectric Constant @ 1Khz	3.6	3.6
Limiting Oxygen Index (%)	40	32
Flame Rating	FT-6	FT-4, UL-1666
Oil resistance	NA	NA
Sunlight Resistance	NA	YES
UL approval	NA	NA

Electronic Equipment

	UL 1007 UL 1015 UL 1571	VW-1 type of IHV9845N	UL 10272
	IHV9845N	IHV9765N	IHV9851N
Use: Insulation=I, Jacket=J	I	I	I
Temperature Rating (°C)	105	105	105
Specific gravity	1.37	1.36	1.29
Hardness (10 sec)	90A	90A	63D
Tensile Strength psi	2970	3045	4640
Elongation %	290	260	305
Brittleness temperature (°C)	-15	-16	-8
Volume Resistivity @ 50°C (Ωcm)	5 x 10 ¹⁴	5 x 10 ¹⁴	6 x 10 ¹⁴
Limiting Oxygen Index (%)	24	32	26
Flame Rating	Horizontal flame	VW-1	
Oil resistance	Yes	Yes	Yes
Sunlight Resistance	NA	NA	NA
UL approval	NA	NA	NA

Military / Hook-Up

	Mil-Del-16878 D/1	Mil-Del-16878 D/1
	57049-90	57049A-80
Use: Insulation=I, Jacket=J	I	I
Temperature Rating (°C)	105	105
Specific gravity	1.32	1.3
Hardness (10 sec)	90A	80A
Tensile Strength psi	2890	2530
Elongation %	315	406
Brittleness temperature (°C)	-25	-30
Dielectric Constant @ 1Khz	1.5x 10 ¹³	1.4x 10 ¹³
Limiting Oxygen Index (%)	29	NA
Flame Rating	VW-1	VW-1
Oil resistance	NA	NA
Sunlight Resistance	NA	NA
UL approval	NA	NA

RIKEN AMERICAS

Tray Cable

TW, THW, THHW, THW-2, THHN, THWN, THWN-2*

TW, THW, THHW, TC

TC

TW, THW*, TC

5797-1

5794-3

57014-85

57005A-87

Use: Insulation=I, Jacket=J	I/J	I/J	J	I/J
Temperature Rating (°C)	105	105	90	80
Specific gravity	1.38	1.31	1.37	1.32
Hardness (10 sec)	88A	84A	85A	87A
Tensile Strength psi	2500	2890	2100	2700
Elongation %	320	370	300	355
Brittleness temperature (°C)	-23	-25	-47	-25
Volume Resistivity @ 50°C (Ωcm)	20 x 10 ¹²	10 x 10 ¹²	NA	1 x 10 ¹²
Limiting Oxygen Index (%)	28	29	29	27
Flame Rating	VW-1	VW-1 & FT4	FT-4	VW-1
Oil resistance	I/II	Yes	I/II	I
Sunlight Resistance	Yes	Yes	Yes	Yes
UL approval File #	E130347 QMTT2	NA	NA	E130347 QMTT2



Audio Wire

Audio Cable

Audio Cable

57023-78 BLK

2700H BLK

Use: Insulation=I, Jacket=J	J	J
Temperature Rating (°C)	105	60
Specific gravity	1.33	1.39
Hardness (10 sec)	78A	72A
Tensile Strength psi	2245	1710
Elongation %	376	285
Brittleness temperature (°C)	-28	-28
Volume Resistivity @ 50°C (Ωcm)	NA	NA
Limiting Oxygen Index (%)	25	NA
Flame Rating	HB	HB
Oil resistance	Yes	NA
Sunlight Resistance	Yes	Yes
UL approval	NA	NA



Wire Harness

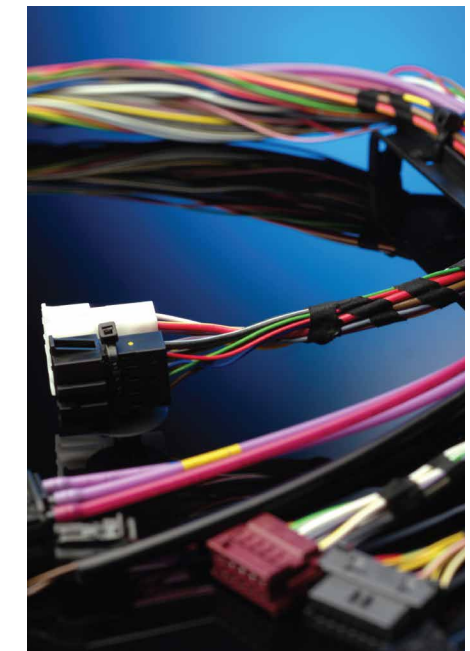
CIVUS

AVS

56038A

CD-03632

Use: Insulation=I, Jacket=J	I	I
Temperature Rating (°C)	85	80
Specific gravity	1.3	1.3
Hardness (10 sec)	59D	92A
Tensile Strength psi	4200	4200
Elongation %	280	280
Brittleness temperature (°C)	NA	-22
Volume Resistivity @ 50°C (Ωcm)	NA	4.3 x 10 ¹³
Limiting Oxygen Index (%)	NA	NA
Flame Rating	NA	NA
Oil resistance	NA	NA
Sunlight Resistance	NA	NA
UL approval	NA	NA



Appliance Wire

Mil-Del-16878 D/1

TW, THW, THHW, THW-2, THHN, THWN, THWN-2*
Appliance Wire all colors.
*UL Style 1007, 60C oil, VW-1.
*UL Style 1015, 60C oil, VW-1, <14 AWG.

TW, THW*
*UL Style 1015, VW-1
*UL Style 2464, Cable Flame over PVC core.
*UL Style 2448, 80C, Cable Flame.
*UL Style 20276, 80C, Cable Flame

UL Style 1061

57049-90

5797-1

57005A-87

703 NAT 1020

Use: Insulation=I, Jacket=J	I	I	I/J	I
Temperature Rating (°C)	105	105	80	80
Specific gravity	1.32	1.3	1.32	1.31
Hardness (10 sec)	90A	94A	87A	86C
Tensile Strength psi	2890	2700	2700	3200
Elongation %	315	300	355	250
Brittleness temperature (°C)	-25	-23	-25	-13
Volume Resistivity @ 50°C (Ωcm)	1.5x 10 ¹³	10 x 10 ¹²	1 x 10 ¹²	1 x 10 ¹²
Limiting Oxygen Index (%)	29	28	27	30
Flame Rating	VW-1	VW-1	VW-1	NA
Oil resistance	NA	I/II	I	NA
Sunlight Resistance	NA	Yes	Yes	NA
UL approval File #	NA	E130347 QMTT2	E130347 QMTT2	NA

RIKEN



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Material Solution Supplier

Formed as a joint venture between Riken Technos Corporation and Mitsubishi Corporation and Mitsubishi Corporation (Americas), Riken Americas Corporation is the parent company of Rimtec Corporation and Riken Elastomers Corporation. Riken Americas Corp. is a compounder of PVC and TPE materials.

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