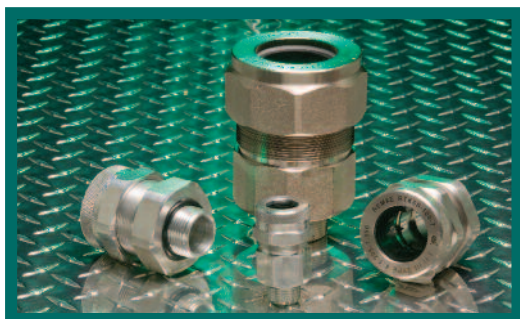


TUFF-SEAL™

TECK CABLE CONNECTORS



Tuff Seal Teck Cable Connectors are designed to form a watertight seal around the jacketed armored cable and at the enclosure entry for control centers, panel boards, junction boxes and motor control & electrical distribution equipment. Rated NEMA 4 and IP 65, these connectors are available in aluminum, nickel-plated aluminum and stainless steel in 1/2" to 4" NPT sizes for the utmost flexibility in accommodating a wide variety of applications and cable.

Design features of the Teck Cable Connectors include:

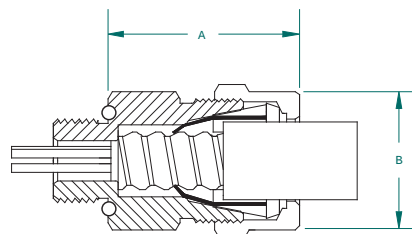
- Unique PowR-Lock™ Grounding Seal for superior conductivity
- One-piece design that is smaller in profile & width than similar connectors for easier installation in tight spaces
- Neoprene bushing provides superior pull-out and sealing protection
- No disassembly resulting in fast & simple installations
- Meets UL standards for raintight metal clad cable fitting

Teck Cable Connectors can be used indoors or outdoors for vertical or horizontal cable runs in wet or dry locations. They are also suited for use in hazardous locations when used in combination with a Certified Class 1 hazardous location sealing fitting.

COMPLETE ASSEMBLY PART NUMBERS

Hub Size	Aluminum	Nickel-Plated Aluminum	Stainless Steel*
1/2"	RTK-050-1	RTKN-050-1	RTKSS-050-1
1/2"	RTK-050-2	RTKN-050-2	RTKSS-050-2
1/2"	RTK-050-3	RTKN-050-3	RTKSS-050-3
1/2"	RTK-050-4	RTKN-050-4	RTKSS-050-4
3/4"	RTK-075-5	RTKN-075-5	RTKSS-075-5
3/4"	RTK-075-6	RTKN-075-6	RTKSS-075-6
1"	RTK-100-7	RTKN-100-7	RTKSS-100-7
1 1/4"	RTK-125-8	RTKN-125-8	RTKSS-125-8
1 1/4"	RTK-125-9	RTKN-125-9	RTKSS-125-9
1 1/4"	RTK-125-10	RTKN-125-10	RTKSS-125-10
1 1/2"	RTK-150-11	RTKN-150-11	RTKSS-150-11
1 1/2"	RTK-150-12	RTKN-150-12	RTKSS-150-12
1 1/2"	RTK-150-13	RTKN-150-13	RTKSS-150-13
2"	RTK-200-14	RTKN-200-14	RTKSS-200-14
2"	RTK-200-15	RTKN-200-15	RTKSS-200-15
2"	RTK-200-16	RTKN-200-16	RTKSS-200-16
2"	RTK-200-17	RTKN-200-17	RTKSS-200-17
2"	RTK-200-18	RTKN-200-18	RTKSS-200-18
2 1/2"	RTK-250-19	RTKN-250-19	RTKSS-250-19
2 1/2"	RTK-250-20	RTKN-250-20	RTKSS-250-20*
3"	RTK-300-21	RTKN-300-21	RTKSS-300-21
3"	RTK-300-22	RTKN-300-22	RTKSS-300-22
3"	RTK-300-23	RTKN-300-23	RTKSS-300-23
3"	RTK-350-24	RTKN-350-24	RTKSS-350-24
3 1/2"	RTK-350-25	RTKN-350-25	RTKSS-350-25
3 1/2"	RTK-350-26	RTKN-350-26	RTKSS-350-26
4"	RTK-400-27	RTKN-400-27	RTKSS-400-27
4"	RTK-400-28	RTKN-400-28	RTKSS-400-28
4"	RTK-400-29	RTKN-400-29	RTKSS-400-29
*NEMA 4X rated			

DIMENSIONAL INFORMATION



Hub Size	Dimension A (IN.)	Dimension B (IN.)
1/2"	2.10	1.38 (-1, -2)
1/2"	2.10	1.53 (-3, -4)
3/4"	2.45	2.20
1"	2.45	2.47
1 1/4"	3.35	2.97
1 1/2"	3.70	3.50
2"	4.05	4.15
2.5"	5.60	4.38
3"	6.00	5.35
3.5"	6.12	5.82
4"	6.12	6.24



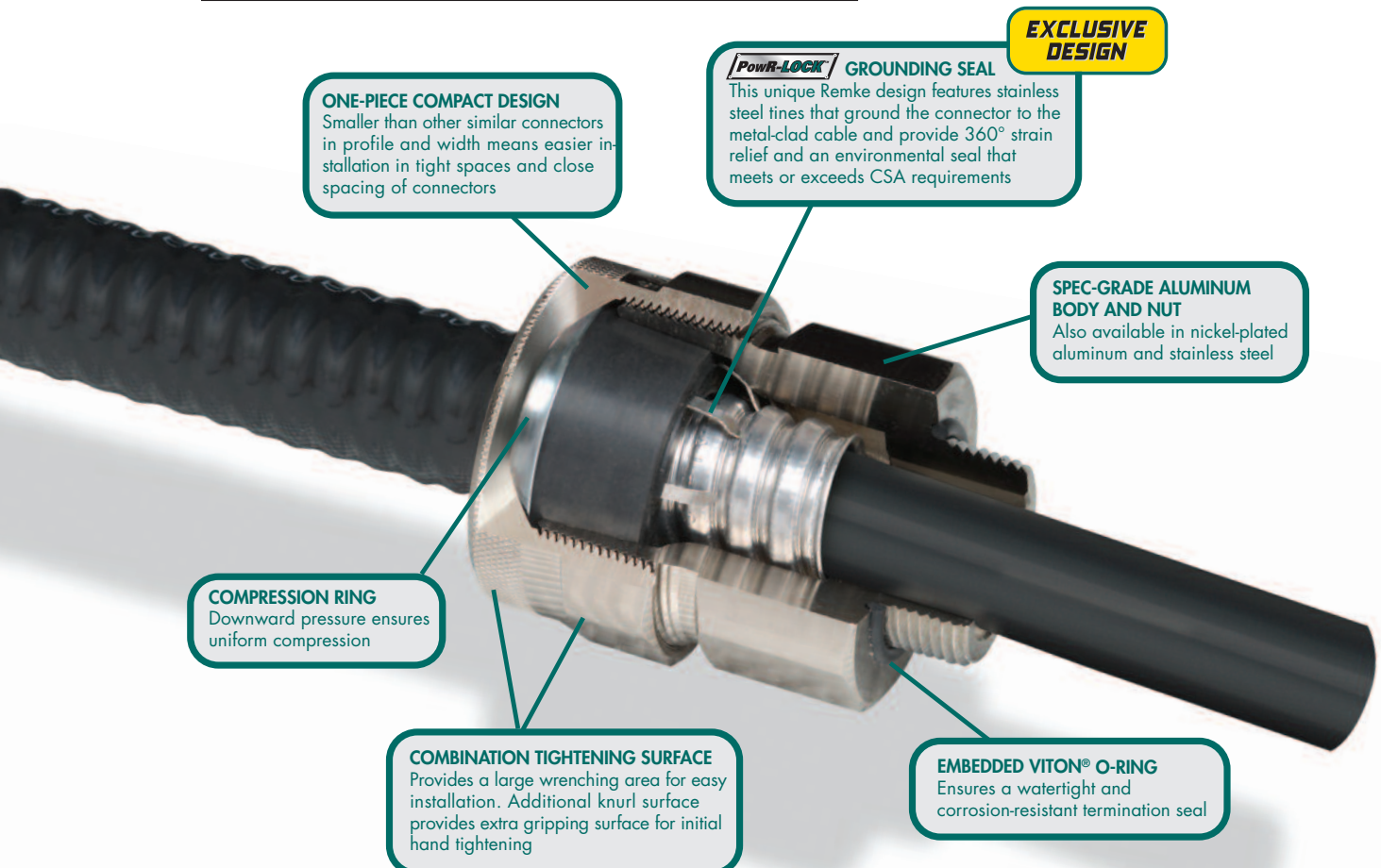
CSA STANDARD: C22.2 NO.18-98
FILE NUMBER: 28985
RATINGS: NEMA 4, IP65
PATENT PENDING



Exposed Armor Length	Overall Cable O.D.		Overall Armor O.D.	
	Min	Max	Min	Max
7/8"	.525"	.650"	.415"	.570"
7/8"	.650"	.775"	.540"	.695"
7/8"	.750"	.875"	.640"	.795"
7/8"	.860"	.985"	.750"	.905"
1"	.955"	1.080"	.845"	1.000"
1"	1.080"	1.205"	.970"	1.125"
1"	1.205"	1.350"	1.095"	1.270"
1 1/4"	1.350"	1.475"	1.240"	1.395"
1 1/4"	1.475"	1.600"	1.365"	1.520"
1 1/4"	1.600"	1.725"	1.490"	1.645"
1 1/2"	1.725"	1.850"	1.615"	1.770"
1 1/2"	1.850"	1.975"	1.740"	1.895"
1 1/2"	1.975"	2.100"	1.865"	2.020"
1 1/2"	2.100"	2.225"	1.990"	2.145"
1 1/2"	2.225"	2.350"	2.115"	2.270"
1 1/2"	2.350"	2.475"	2.240"	2.395"
1 1/2"	2.475"	2.600"	2.365"	2.520"
1 1/2"	2.600"	2.725"	2.490"	2.645"
1 1/2"	2.700"	2.850"	2.560"	2.760"
1 1/2"	2.850"	3.000"	2.710"	2.910"
1 1/2"	3.000"	3.150"	2.860"	3.060"
1 1/2"	3.150"	3.300"	3.010"	3.210"
1 1/2"	3.300"	3.450"	3.160"	3.360"
1 1/2"	3.450"	3.600"	3.300"	3.500"
1 1/2"	3.600"	3.750"	3.450"	3.650"
1 1/2"	3.750"	3.900"	3.600"	3.800"
1 1/2"	3.900"	4.050"	3.750"	3.940"
1 1/2"	4.050"	4.200"	3.900"	4.090"
1 1/2"	4.200"	4.350"	4.050"	4.240"

OPTIONAL LOCKNUT PART NUMBERS

Hub Size	Steel	Stainless Steel
1/2"	LN-50	LNSS-50
3/4"	LN-75	LNSS-75
1"	LN-100	LNSS-100
1 1/4"	LN-125	LNSS-125
1 1/2"	LN-150	LNSS-150
2"	LN-200	LNSS-200
2 1/2"	LN-250	LNSS-250
3"	LN-300	LNSS-300
3 1/2"	LN-350	LNSS-350
4"	LN-400	LNSS-400



ONE-PIECE COMPACT DESIGN

Smaller than other similar connectors in profile and width means easier installation in tight spaces and close spacing of connectors

POWR-LOCK

GROUNDING SEAL

This unique Remke design features stainless steel tines that ground the connector to the metal-clad cable and provide 360° strain relief and an environmental seal that meets or exceeds CSA requirements

**EXCLUSIVE
DESIGN**

**SPEC-GRADE ALUMINUM
BODY AND NUT**

Also available in nickel-plated aluminum and stainless steel

COMPRESSION RING

Downward pressure ensures uniform compression

COMBINATION TIGHTENING SURFACE

Provides a large wrenching area for easy installation. Additional knurl surface provides extra gripping surface for initial hand tightening

EMBEDDED VITON® O-RING

Ensures a watertight and corrosion-resistant termination seal



THESE CROSSES ARE SUGGESTED CROSSES ONLY

THE MIN./MAX. "OVER CABLE O.D.'s" ARE NOT EXACT FROM SUPPLIER TO SUPPLIER

IT IS SUGGESTED THAT A SPECIFIC CABLE DIAMETER BE GIVEN FOR A MORE ACCURATE CROSS.

TECK CONNECTOR CROSS REFERENCE

<u>REMKE</u> "RTK"	<u>T&B</u> "ST"	<u>CROUSE</u> "TECK"	<u>APPLETON</u> "TMC"	<u>O.Z. GEDNEY</u> "JMC"	<u>O.Z.GEDNEY</u> "TN"	<u>IBERVILLE</u> "TCA"	<u>IBERVILLE</u> "TCM"	<u>IBERVILLE</u> "TEK"	<u>IBERVILLE</u> "TEK" S
RTK-050-1	ST050-462	TECK050-1	TMC5076		TN-50-65	TCA-50-063	TCM-50-063	TEK-50-66	TEK-50-66-S
RTK-050-2	ST050-464	TECK050-2	TMC5076	JMC-50-76	TN-50-80	TCA-50-078	TCM-50-078	TEK-50-079	TEK-50-079-S
RTK-050-3	ST050-465	TECK050-3	TMC5099	JMC-50-99	TN-50-80	TCA-50-089	TCM-50-089	TEK-50-092	TEK-50-092-S
RTK-050-4	ST050-466	TECK050-4	TMC5099	JMC-50-99	TN-75-95	TCA-50-098	TCM-50-098		
RTK-075-5	ST075-467	TECK075-5	TMC75121	JMC-75-121	TN-75-110	TCA-75-106	TCM-75-106	TEK-75-105	TEK-75-105-S
RTK-075-6	ST075-468	TECK075-6	TMC75121	JMC-75-121	TN-100-125	TCA-75-118	TCM-75-118	TEK-75-120	TEK-75-120-S
RTK-100-7	ST100-469	TECK100-7	TMC100138	JMC-100-138	TN-100-143	TCA-100-135	TCM-100-135	TEK-100-137	TEK-100-137-S
RTK-125-8	ST125-470	TECK125-8	TMC125163	JMC-125-163	TN-100-143	TCA-125-151	TCM-125-151	TEK-125-157	TEK-125-157-S
RTK-125-9	ST125-550	TECK125-9	TMC125163	JMC-125-163		TCA-125-167	TCM-125-167		
RTK-125-10	ST125-471	TECK125-10	TMC125188	JMC-125-188		TCA-125-182	TCM-125-182	TEK-125-176	TEK-125-176-S
RTK-150-11	ST150-472	TECK150-11	TMC125188	JMC-125-188		TCA-150-192	TCM-150-192	TEK-125-198	TEK-125-198-S
RTK-150-12	ST150-472	TECK150-11	TMC150200	JMC-150-200		TCA-150-192	TCM-150-192	TEK-125-198	TEK-125-198-S
RTK-150-13	ST150-473	TECK150-12	TMC150220	JMC-150-220		TCA-150-208	TCM-150-208		
RTK-200-14	ST200-551	TECK200-13	TMC150220	JMC-150-220				TEK-200-220	TEK-200-220-S
RTK-200-14	ST200-474	TECK200-14							
RTK-200-15	ST200-474	TECK200-14	TMC200238	JMC-200-238				TEK-200-220	TEK-200-220-S
RTK-200-16	ST200-475	TECK200-15	TMC200275	JMC-200-275		TCA-200-231	TCM-200-231	TEK-200-241	TEK-200-241-S
RTK-200-17	ST200-475	TECK200-15	TMC200275	JMC-200-275		TCA-200-231	TCM-200-231	TEK-200-241	TEK-200-241-S
RTK-200-18	ST200-476	TECK200-16	TMC200275	JMC-200-275		TCA-200-250	TCM-200-250	TEK-250-284	TEK-250-284-S
RTK-250-19	ST250-478	TECK250-18	TMC300A	JMC-304-300		TCA-250-284	TCM-250-284	TEK-250-284	TEK-250-284-S
RTK-250-20	ST300-479	TECK300-19	TMC300A	JMC-304-300		TCA-250-300	TCM-250-300	TEK-300-306	TEK-300-306-S
RTK-300-21	ST300-480	TECK300-20	TMC300A	JMC-304-300		TCA-300-322		TEK-300-328	TEK-300-328-S
RTK-300-22	ST300-481	TECK300-21	TMC350A	JMC-304-300		TCA-300-344		TEK-300-328	TEK-300-328-S
RTK-300-23	ST300-481	TECK300-21	TMC350A	JMC-359-350		TCA-300-344		TEK-300-350	TEK-300-350-S
RTK-350-24	ST350-482	TECK350-22	TMC350A	JMC-359-350		TCA-300-365		TEK-400-371	TEK-400-371-S
RTK-350-25	ST350-483	TECK350-23	TMC350A	JMC-359-350		TCA-300-385		TEK-400-371	TEK-400-371-S
RTK-350-26	ST350-483	TECK350-23	TMC350A	JMC-402-400		TCA-300-385		TEK-400-392	TEK-400-392-S
RTK-400-27	ST400-484	TECK400-24	TMC400A	JMC-402-400				TEK-400-413	TEK-400-413-S
RTK-400-28	ST400-485	TECK400-25	TMC400A	JMC-402-400				TEK-400-433	TEK-400-433-S
RTK-400-29	ST400-486	TECK400-26	TMC400A	JMC-402-400				TEK-400-433	TEK-400-433-S

REMKE / TECHSPAN TECK CONN. 600 / 1000V - Teck 90--Copper Chart

Selection No.	Catalog Number			Trade Hub Size	Diameter		Dimension Length (approx)
	Aluminum (Standard)	Nickel Plated (Made to Order)	Stainless Steel (Made to Order)		Over Outer Jacket	Over Armour	
1	RTK-050-1	RTKN-050-1	RTKSS-050-1	1/2"	0.525 - 0.650	0.415 - 0.570	2.10
2	RTK-050-2	RTKN-050-2	RTKSS-050-2	1/2"	0.650 - 0.775	0.540 - 0.695	2.10
3	RTK-050-3	RTKN-050-3	RTKSS-050-3	1/2"	0.750 - 0.875	0.640 - 0.795	2.10
4	RTK-050-4	RTKN-050-4	RTKSS-050-4	1/2"	0.860 - 0.985	0.750 - 0.905	2.10
5	RTK-075-5	RTKN-075-5	RTKSS-075-5	3/4"	0.955 - 1.080	0.845 - 1.000	2.45
6	RTK-075-6	RTKN-075-6	RTKSS-075-6	3/4"	1.080 - 1.205	0.970 - 1.125	2.45
7	RTK-100-7	RTKN-100-7	RTKSS-100-7	1"	1.205 - 1.350	1.085 - 1.270	2.45
8	RTK-125-8	RTKN-125-8	RTKSS-125-8	1-1/4"	1.350 - 1.475	1.240 - 1.395	3.35
9	RTK-125-9	RTKN-125-9	RTKSS-125-9	1-1/4"	1.475 - 1.600	1.365 - 1.520	3.35
10	RTK-125-10	RTKN-125-10	RTKSS-125-10	1-1/4"	1.600 - 1.725	1.490 - 1.645	3.35
11	RTK-150-11	RTKN-150-11	RTKSS-150-11	1-1/2"	1.725 - 1.850	1.615 - 1.770	3.70
12	RTK-150-12	RTKN-150-12	RTKSS-150-12	1-1/2"	1.850 - 1.975	1.740 - 1.895	3.70
13	RTK-150-13	RTKN-150-13	RTKSS-150-13	1-1/2"	1.975 - 2.100	1.865 - 2.020	3.70
14	RTK-200-14	RTKN-200-14	RTKSS-200-14	2"	2.100 - 2.225	1.990 - 2.145	4.05
15	RTK-200-15	RTKN-200-15	RTKSS-200-15	2"	2.225 - 2.350	2.115 - 2.270	4.05
16	RTK-200-16	RTKN-200-16	RTKSS-200-16	2"	2.350 - 2.475	2.240 - 2.395	4.05
17	RTK-200-17	RTKN-200-17	RTKSS-200-17	2"	2.475 - 2.600	2.365 - 2.520	4.05
18	RTK-200-18	RTKN-200-18	RTKSS-200-18	2"	2.600 - 2.725	2.490 - 2.645	4.05
19	RTK-250-19	RTKN-250-19	RTKSS-250-19	2.5"	2.700 - 2.850	2.560 - 2.760	5.60
20	RTK-250-20	RTKN-250-20	RTKSS-250-20	2.5"	2.850 - 3.000	2.710 - 2.910	5.60
21	RTK-300-21	RTKN-300-21	RTKSS-300-21	3"	3.000 - 3.150	2.860 - 3.060	6.00
22	RTK-300-22	RTKN-300-22	RTKSS-300-22	3"	3.150 - 3.300	3.010 - 3.210	6.00
23	RTK-300-23	RTKN-300-23	RTKSS-300-23	3"	3.300 - 3.450	3.160 - 3.360	6.00
24	RTK-350-24	RTKN-350-24	RTKSS-350-24	3.5"	3.450 - 3.600	3.300 - 3.500	6.12
25	RTK-350-25	RTKN-350-25	RTKSS-350-25	3.5"	3.600 - 3.750	3.450 - 3.650	6.12
26	RTK-350-26	RTKN-350-26	RTKSS-350-26	3.5"	3.750 - 3.900	3.600 - 3.800	6.12
27	RTK-400-27	RTKN-400-27	RTKSS-400-27	4"	3.900 - 4.050	3.750 - 3.940	6.12
28	RTK-400-28	RTKN-400-28	RTKSS-400-28	4"	4.050 - 4.200	3.900 - 4.090	6.12
29	RTK-400-29	RTKN-400-29	RTKSS-400-29	4"	4.200 - 4.350	4.050 - 4.240	6.12

These are suggested crosses ONLY!

The min./max. Dia. Over Outer Jacket are not always exact from the cable manufacturer.

It is suggested that the diameter of the cable be checked for a more accurate cross.



REMKE

Prysmian (Pirelli)				
Selection No's.				
Wire AWG	Conductors			
	1	2	3	4
14	N/A	2	2	2,3
12	N/A	2	2,3	3
10	N/A	3	3	4
8	N/A	3,4	4	4,5
6	2	5	5,6	6
4	2,3	6	6,7	7
3	3	6,7	7	8
2	3	7	7	8
1	4	8	8,9	9,10
1/0	5	9	9	10,11
2/0	5	9	10	11
3/0	6	10	11	12,13
4/0	6	11	12	13,14
250	7	12,13	14	15
300	7	13,14	14,15	16
350	8	14,15	15	17
400	8	15	16	18
500	9	17	18	20
600	10	19	20	22
750	11	20	21	24
1000	12,13	23	24	26

Alcan (NUAL® ACWU 90 600V)				
Selection No's.				
Wire AWG	Conductors			
	1	2	3	4
14	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	N/A
6	N/A	N/A	4	5
4	N/A	N/A	5	6
3	N/A	N/A	N/A	N/A
2	N/A	N/A	6	7
1	4	N/A	7	8
1/0	5	N/A	7,8	9
2/0	4,5	N/A	8	9
3/0	5	N/A	9	10
4/0	5	N/A	10	11
250	6	N/A	11	13
300	7	N/A	12	13,14
350	7	N/A	13	15
400	7	N/A	14	15,16
500	8	N/A	15	17
600	9	N/A	17	18,19
750	10	N/A	18	20
1000	11	N/A	N/A	N/A

Nexans				
Selection No's.				
Wire AWG	Conductors			
	1	2	3	4
14	N/A	2	2	2
12	N/A	2	2	3
10	N/A	2	3	3
8	N/A	4	5	5
6	3	5	6	7
4	3	6	7	7
3	4	7	7	8
2	4	7	8	8
1	5	8	9	10
1/0	5	9	9	11,13
2/0	6	9	11,12	11,12
3/0	6	10	11,12	14
4/0	7	11,12	14	14,15
250	7	14	14,15	16,17
300	7	14	14,15	17
350	8	14,15	16,17	18
400	8	16,17	17	19
500	9	17,18	19	21
600	9	N/A	20	N/A
750	11,12	N/A	21	N/A
1000	13	N/A	N/A	N/A

BICC/General				
Selection No's.				
Wire AWG	Conductors			
	1	2	3	4
14	N/A	2	2	3
12	N/A	2,3	3	3,4
10	N/A	3	3,4	4
8	N/A	4	4	5
6	2,3	5	6	7
4	3	6	7	7,8
3	3	7	7	8
2	3,4	7	8	8
1	4,5	8	9	10
1/0	5	9	10	11
2/0	5	9	11	12
3/0	6	10	12	13
4/0	6	11	12,13	14
250	7	12	14	15,16
300	8	13	15	N/A
350	8	14	16	17,18
400	8	15	17	N/A
500	9	16	18	20
600	10	N/A	N/A	N/A
750	10	19	21	23
1000	12	21	23	26



Toll Free: 1-800-363-1588
Web site: www.techspan.ca

REMKE



CSA Standard: C22.2 NO.18-98
File Number: 28985
Ratings: Nema 4, IP65
Patent Pending

600V cable used for 14/12/10 awg.

1000V cable used for 8 awg --
1000MCM

600V cable used for
ALCAN NUAL® ACWU90 Cable





Tel: (905) 820-6150
Fax: (905) 820-6142

Toll Free: 1-800-363-1588
www.techspan.ca

REMKE

TUFF-SEAL™

TUFF-SEAL TECHNICAL REFERENCE SECTION

RoHS STATEMENT

Remke Industries supports the European Union's efforts to remove harmful chemicals from electrical products. In compliance with Directive 2002/95/EC of the European Parliament and the Council of the European Union regarding the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), Remke Industries certifies either:

1. The maximum concentration values of weight in homogenous materials for the substances referred to in Article 4(1) of directive 2002/95/EC that are contained in the products do not exceed the maximum concentration values of 0.1% in respect of lead, mercury, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers, and 0.01% in respect of cadmium. OR
2. The product supplied is exempt from this directive.

Remke Industries certifies that all products of our manufacture are fully compliant to the current RoHS Directive.



REMKE INDUSTRIES
REGISTERED TO ISO 9001:2000
FILE NUMBER A9208

ISO CERTIFICATION

On July 1st, 2003 Remke Industries received ISO 9001 : 2000 certification which certifies that Remke is compliant with current ISO standards.

OPERATING TEMPERATURES

Material	Temperature range
Aluminum	-40°F to +300°F (-40°C to +149°C)
Nylon	-40°F to +225°F (-40°C to +107°C)
Steel	-60°F to +1000°F (-51°C to +537°C)
Stainless Steel	-60°F to +1000°F (-51°C to +537°C)
Neoprene (bushings)	-40°F to +250°F (-40°C to +121°C)
Silicone (bushings)	-150°F to +450°F (-65°C to +232°C)
Valox	-40°F to +250°F (-40°C to +121°C)
Dome-Cap Connectors:	
Non-Metallic	-22°F to +176°F (-30°C to +80°C)
Metallic	-40°F to +212°F (-40°C to +100°C)

FLAMMABILITY

Component	Rating
Mesh Grip	UL 94HB
Fitting	UL 94V-2

Note: Non-metallic cord connectors will not support combustion.

APPROVALS, CERTIFICATION & COMPLIANCES

Agency	File Number	Product or Component
Underwriters Laboratories Inc. (UL)	E53599	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSM Cord Grips RSRS Cord Grips RSRF Series
Canadian Standards Association (CSA)	28985	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSRS Cord Grips RSRF Series RSSS Series RSPV Series Teck Cable Connectors
National Electrical Code (NEC)	Articles 400-10 Articles 400-14	RSR Series (Straight, 90°, 45°) RSP Series (Straight, 90°) RSM Cord Grips RSRS Cord Grips RSRF Series
	Articles 501-4(B) Articles 502-4(A) Articles 503-3(A)	WH Series Watertight Conduit Hubs WH Series Watertight Conduit Hubs WH Series Watertight Conduit Hubs
ROHS & WEE	All Tuff-Seal and Tuff-Link Products are Compliant	

HAZARDOUS LOCATIONS

Definition	Remke Products
The Remke products listed are suitable for use in hazardous locations per Class I, Div. 2, Class II, Div 1 & 2, and Class III, Div. 1 & 2	RSR Series (Straight, 90°, 45°) WH Series Watertight Conduit Hubs RSP Series (Straight, 90°) RSM Cord Grips, RSRS Cord Grips RSRF Series

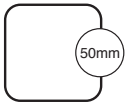
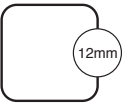
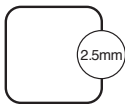
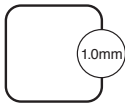
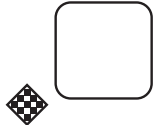
KNOCKOUT DIMENSIONS

N.P.T. Hub Size	Knockout Hole Recommended (Min to Max / Inches)
1/4"	.540 to .570
3/8"	.671 to .701
1/2"	.859 to .906
3/4"	1.094 to 1.141
1"	1.359 to 1.406
1 1/4"	1.719 to 1.766
1 1/2"	1.969 to 2.016
2"	2.453 to 2.500
2 1/2"	2.953 to 3.000
3"	3.578 to 3.625

RATINGS/MATERIAL OF CONSTRUCTION

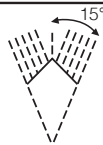
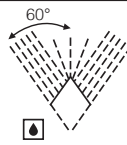
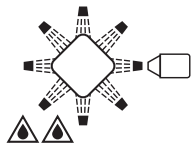
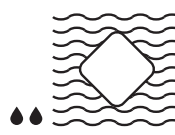
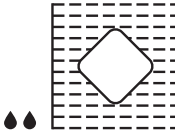
Material	IP 54 and NEMA 3	IP 54 and NEMA 3R	IP 65 and NEMA 4	IP 56 and NEMA 4X	IP 67 and NEMA 6	IP 52 and NEMA 12
Aluminum	X	X	X	—	X	X
Nickel-Plated Aluminum	X	X	X	X	X	X
Steel	X	X	X	—	X	X
Stainless Steel	X	X	X	X	X	X
Nylon	X	X	X	—	X	X
Valox	X	X	X	X	X	X

IP RATINGS DEFINITION

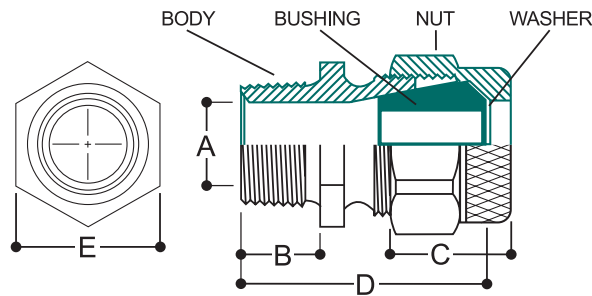
First Digit	Protection From Solid Objects
0	Non-Protected
1	Protected against solid objects over 50mm e.g hands, large tools 
2	Protected against solid objects over 12mm e.g hands, large tools 
3	Protection from entry by solid objects over 2.5mm e.g. wire or small tools 
4	Protection from entry by solid objects over 1.0mm e.g. wires or tools 
5	Protection against deposits of dust e.g. against equipment damage due to deposits 
6	Total protection against dust ingress e.g. Dust-Tight 

IP CODE EXAMPLE

IP54 = IP (IP LETTER CODE), 5 (1st Digit), 4 (2nd Digit)

Second Digit	Protection From Moisture
0	Non-Protected
1	Protection against vertically falling drops of water 
2	Protection against direct sprays of water up to a 15° angle 
3	Protection against direct sprays of water up to a 60° angle 
4	Protection against water sprayed from any direction. Limited ingress permitted. 
5	Protection against low pressure water jets from any direction. Limited ingress permitted 
6	Protection against high pressure water jets from any direction. Limited ingress permitted. 
7	Protection against immersion between 15cm and 1M 
8	Protection against complete and continuous immersion in water under pressure e.g Water-Tight 

RSR STRAIGHT CORD GRIP DIMENSIONS



ALUMINUM AND NICKEL-PLATED ALUMINUM

Conduit Size	Form Size	A Body Bore	B	C	D Body Dia.	E Nut Dia.
1/4"	1	0.34	0.44	0.59	0.88	0.96
3/8"	1	0.46	0.44	0.59	0.88	0.96
1/2"	1	0.46	0.44	0.59	0.88	0.96
1/2"	2	0.62	0.56	0.72	1.00	1.26
1/2"	3	0.62	0.54	0.86	1.37	1.55
3/4"	2	0.62	0.56	0.72	1.12	1.26
3/4"	3	0.81	0.57	0.86	1.25	1.55
3/4"	4	0.81	0.57	0.97	1.37	1.74
1"	4	1.00	0.62	0.97	1.44	1.74
1"	5	1.10	0.70	1.25	2.00	2.47
1 1/4"	5	1.30	0.70	1.25	2.00	2.47
1 1/2"	5	1.43	0.70	1.25	2.47	2.47
1 1/2"	6	1.50	1.00	1.72	2.90	2.97
2"	6	1.90	0.81	1.72	2.83	2.97
2"	7	2.00	1.31	3.50	4.00	4.30
2 1/2"	7	2.36	1.31	3.50	4.00	4.30
3"	7	2.36	1.31	3.50	4.00	4.30

Dimension A is the minimum Body Bore. Other dimensions are nominal.

Dimension D is with the Nut snug but Bushing uncompressed.

Dimension E is across the Body Hex. corners.

G

NYLON AND VALOX

Conduit Size	Form Size	A Body Bore	B	C	D Body Hex	E Nut Dia.
3/8"	1	0.44	0.49	0.70	0.94	0.94
1/2"	2	0.50	0.88	1.12	1.25	
3/4"	3	0.56	0.88	1.38	1.50	

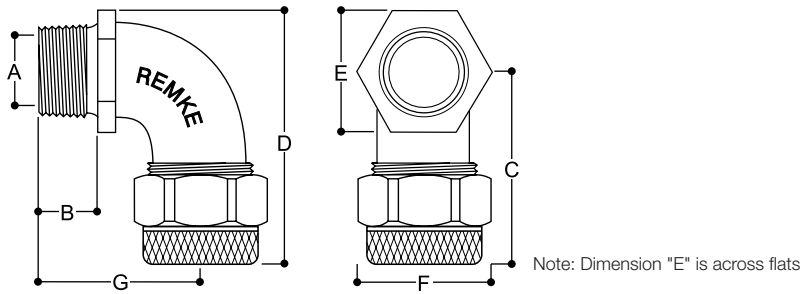
STEEL

Conduit Size	Form Size	A Body Bore	B	C	D Body Hex	E Nut Dia.
3/8"	1	0.47	0.44	0.56	0.88	0.88
1/2"	2	0.62	0.56	0.69	1.00	0.12
3/4"	3	0.81	0.56	0.85	1.25	1.37
1"	4	1.00	0.63	0.94	1.43	1.56

STAINLESS STEEL

Conduit Size	Form Size	A Body Bore	B	C	D Body Hex	E Nut Dia.
3/8"	1	0.47	0.44	0.56	0.94	0.88
1/2"	2	0.62	0.56	0.69	1.12	0.12
3/4"	3	0.81	0.56	0.85	1.37	1.37
1"	4	1.00	0.63	0.94	1.56	1.56

RSR SERIES 90° CORD GRIP DIMENSIONS

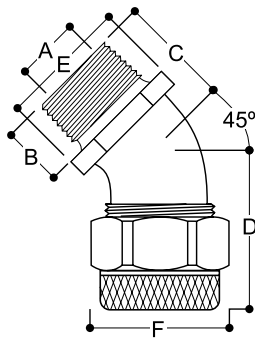


ALUMINUM AND NICKEL-PLATED ALUMINUM

Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut Dia.	G
3/8"	0.45	0.44	1.51	2.00	0.98	0.96	1.31
1/2"	0.58	0.56	1.88	2.39	1.03	1.26	1.50
3/4"	0.76	0.63	2.25	2.88	1.25	1.55	1.99
1"	0.99	0.63	2.41	3.13	1.44	1.74	2.00
1 1/4"	1.28	0.69	3.19	4.41	2.13	2.47	2.69
1 1/2"	1.40	0.69	3.19	4.41	2.13	2.47	2.69
2"	1.90	0.81	4.03	5.56	2.81	2.97	3.19

NOTE: 1 1/4" and 1 1/2" size grips have hex positioned per right view above. All other sizes have hex positioned per left view below.

RSR SERIES 45° CORD GRIP DIMENSIONS



Note: Dimension "E" is across flats

ALUMINUM AND NICKEL-PLATED ALUMINUM

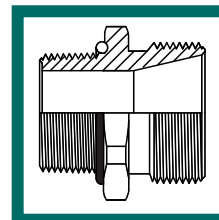
Conduit Size	A Body Bore	B	C	D	E Body Hex	F Nut Dia.
3/8"	0.45	0.44	1.51	2.00	0.98	0.96
1/2"	0.58	0.56	1.88	2.39	1.03	1.26
3/4"	0.76	0.63	2.25	2.88	1.25	1.55
1"	0.99	0.63	2.41	3.13	1.44	1.74
1 1/4"	1.28	0.69	3.19	4.41	2.13	2.47
1 1/2"	1.40	0.69	3.19	4.41	2.13	2.47
2"	1.90	0.81	4.03	5.56	2.81	2.97

NOTE: 1 1/4" and 1 1/2" size grips have hex positioned per right view above. All other sizes have hex positioned per left view below.

CONDUIT SEALS AND LOCKNUTS

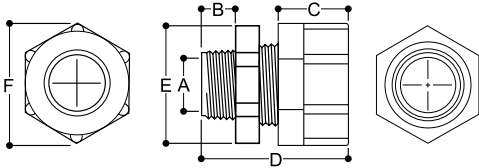
Conduit Seals	Size	Locknuts
SOR-38	3/8"	LN-38
SOR-1-VNT	1/2"	LN-50
SOR-2	3/4"	LN-75
SOR-3	1"	LN-100
SOR-4	1 1/4"	LN-125
SOR-51	1 1/2"	LN-150
SOR-16	2"	LN-200
—	2 1/2"	LN-250
—	3"	LN-300

RSR SERIES CORD GRIPS WITH O-RINGS



These Tuff-Seal RSR grips feature an O-ring that creates a watertight seal when they are used in a taper tapped conduit hub. In these applications gaskets must be used in either the knockouts or clearance drilled holes. To ensure a more reliable seal an embedded O-ring should be utilized. Many of the standard Tuff-Seal cord grips listed in this catalog feature a body hex large enough to permit machining a groove for the embedded O-ring.

RSP AND RSPV STRAIGHT CORD GRIPS DIMENSIONS



Conduit Size	A Body Bore	B	C	D	E Body Hex.	F Nut Dia.
3/8"	0.44	0.49	0.70	1.63	0.94	0.94
1/2"	0.57	0.50	0.88	2.01	1.12	1.25
3/4"	0.76	0.56	0.88	2.10	1.38	1.50

Dimension A is the minimum Body Bore. Other dimensions are nominal.

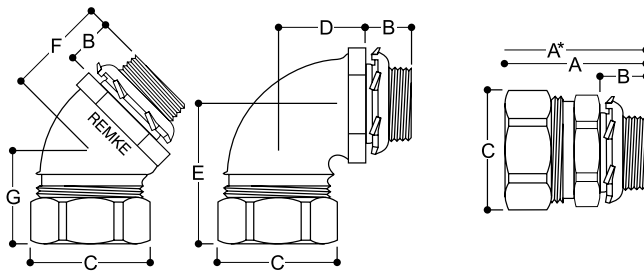
Dimension D is with the Nut snug but bushing uncompressed.

Dimension E is across the Straight Body hex. flats.

Dimension F is across Nut hex. flats.

Dimensions are approximate.

LIQUA-SEAL CONNECTOR DIMENSIONS



Conduit Size	Hub Size	A	A*	B	C Flats	C Corners	D	E	F	G
3/8"	1/2"	1.47	4.47	0.50	1.00	1.10	1.37	1.58	0.84	1.26
1/2"	1/2"	1.47	4.97	0.50	1.13	1.23	1.37	1.75	0.87	1.47
3/4"	3/4"	1.54	5.54	0.56	1.38	1.52	1.53	1.91	0.95	1.55
1"	1"	1.96	6.96	0.64	1.63	1.80	1.81	2.23	1.10	1.81
1 1/4"	1 1/4"	2.09	8.09	0.72	2.25	2.41	2.05	2.33	1.35	1.84
1 1/2"	1 1/2"	2.09	8.84	0.72	2.50	2.68	2.18	2.46	1.43	1.90
2"	2"	2.16	10.16	0.78	3.00	3.21	2.51	2.73	1.53	2.00

NOTE: Nominal Dimensions in Inches. A* Dimension is overall length of connector with wire mesh grip. Larger sizes are available. Contact factory.

THREAD SPECIFICATIONS

PG THREAD SPECIFICATIONS

Thread Size	Thread Diameter (mm)	Pitch (mm)	Outside Diameter(mm)
Pg 7	12.5	1.27	11.3
Pg 9	15.2	1.41	13.9
Pg 11	18.6	1.41	17.3
Pg 13.5	20.4	1.41	19.1
Pg 16	22.5	1.41	21.2
Pg 21	28.3	1.56	26.8
Pg 29	37.0	1.56	35.5
Pg 36	47.0	1.56	45.5
Pg 42	54.0	1.56	52.5
Pg 48	59.3	1.56	57.8

NPT THREAD SPECIFICATIONS

Thread Size	Thread Diameter (mm)	Pitch (mm)
NPT 1/4"	13.7	1.41
NPT 3/8"	17.1	1.41
NPT 1/2"	21.3	1.81
NPT 3/4"	26.7	1.81
NPT 1"	33.4	2.21
NPT 1-1/4"	48.3	2.21
NPT 1-1/2"	47.0	2.21
NPT 2"	60.3	2.21

METRIC THREAD SPECIFICATIONS

Thread Size	Thread Diameter (mm)	Pitch (mm)	Outside Diameter(mm)
M12 x 1.5	12	1.50	10.6
M16 x 1.5	16	1.50	14.6
M20 x 1.5	20	1.50	18.6
M25 x 1.5	25	1.50	23.6
M32 x 1.5	32	1.50	30.6
M40 x 1.5	40	1.50	38.6
M50 x 1.5	50	1.50	48.6
M63 x 1.5	63	1.50	61.6



Tel: (905) 820-6150 Toll Free: 1-800-363-1588
Fax: (905) 820-6142 www.techspan.ca

REMKE

SELECTED CORD & CABLE DIAMETERS

Type of Cord	AWG Size of Conductors	Number of Conductors-Approximate O.D. in Inches		
		2 Conductor	3 Conductor	4 Conductor
SVO, SVTO				
	18	.235	.255	—
SJ, SJO, SJT, SJTO				
	18	.290	.320	.335
	16	.320	.340	.385
	14	.350	.375	.415
	12	.430	.445	.500
	10	.560	.600	.680
S, SO, ST, STO				
	18	.345	.365	.390
	16	.370	.390	.415
	14	.500	.530	.570
	12	.575	.600	.650
	10	.625	.660	.710
	8	.675	.725	.780
	6	.795	.865	.900
	4	.900	.975	1.100
	2	1.105	1.170	1.290
W				
	6	.930	1.010	1.100
	4	1.080	1.170	1.270
	3	1.170	1.240	1.340
	2	1.270	1.340	1.480
	1	1.440	1.510	1.680
	1 / 0	1.520	1.650	1.790
	2 / 0	1.650	1.750	1.930
	3 / 0	1.770	1.890	2.070
	4 / 0	1.920	2.040	2.260
	250	—	2.390	—
Bus Drop Cable				
	14	—	.400	—
	12	—	.440	—
	10	—	.500	—
	8	—	.665	—
	6	—	.815	—
	4	—	.955	—
	2	—	1.175	—

G

FRACTION/DECIMAL/METRIC CONVERSION

Fraction	Decimal	MM
1/64	0.0156	0.397
1/32	0.0312	0.794
3/64	0.0469	1.191
1/16	0.0625	1.588
5/64	0.0781	1.984
3/32	0.0938	2.381
7/64	0.1094	2.778
1/8	0.1250	3.175
9/64	0.1406	3.572
5/32	0.1562	3.969
11/64	0.1719	4.366
3/16	0.1875	4.762
13/64	0.2031	5.159
7/32	0.2188	5.556
15/64	0.2344	5.953
1/4	0.2500	6.350
17/64	0.2656	6.747
7/32	0.2812	7.144
19/64	0.2969	7.541
5/16	0.3125	7.938
21/64	0.3281	8.334
11/32	0.3438	8.731
23/64	0.3594	9.128
3/8	0.3750	9.525
25/64	0.3906	9.922
13/32	0.4062	10.319
27/64	0.4219	10.716
7/16	0.4375	11.112
29/64	0.4531	11.509
15/32	0.4688	11.906
31/64	0.4844	12.303
1/2	0.5000	12.700

Fraction	Decimal	MM
33/64	0.5156	13.097
17/32	0.5312	13.494
35/64	0.5469	13.891
9/16	0.5625	14.288
37/64	0.5781	14.684
19/32	0.5938	15.081
39/64	0.6094	15.478
5/8	0.6250	15.875
41/64	0.6406	16.272
21/32	0.6562	16.669
43/64	0.6719	17.066
11/16	0.6875	17.462
45/64	0.7031	17.859
23/32	0.7188	18.256
47/64	0.7344	18.653
3/4	0.7500	19.050
49/64	0.7656	19.447
25/32	0.7812	19.844
51/64	0.7969	20.241
53/64	0.8281	21.034
27/32	0.8438	21.431
55/64	0.8594	21.828
7/8	0.8750	22.225
57/64	0.8906	22.622
29/32	0.9062	23.019
59/64	0.9219	23.416
15/16	0.9375	23.812
61/64	0.9531	24.209
31/32	0.9688	24.606
63/64	0.9844	25.003

FLEXIBLE ELECTRICAL CORD OR CABLE TO CORD GRIP SELECTION TABLE

Cord Type SJ-SJTO SJO	Cord OD	Hub Size	Straight Cord Grip	Alternate Straight	90 Degree Cord Grip	45 Degree Cord Grip
—	.125-.188	1/2"	RSR-1003	RSR-103	RSR-9103	RSR-45103
—	.125-.188	3/4"	RSR-2103	—	—	—
—	.188-.250	1/2"	RSR-1004	RSR-104	RSR-9104	RSR-45104
—	.188-.250	3/4"	RSR-2104	—	—	—
18/2	.290	1/2"	RSR-1005	RSR-105	RSR-9105	RSR-45105
18/2	.290	3/4"	RSR-2105	—	—	—
18/3	.320	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
18/3	.320	3/4"	RSR-2106	—	—	—
18/4	.335	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
18/4	.335	3/4"	RSR-2106	—	—	—
16/2	.320	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
16/2	.320	3/4"	RSR-2106	—	—	—
16/3	.340	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
16/3	.340	3/4"	RSR-2106	—	—	—
16/4	.385	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
16/4	.385	3/4"	RSR-2107	—	—	—
14/2	.350	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
14/2	.350	3/4"	RSR-2106	—	—	—
14/3	.375	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
14/3	.375	3/4"	RSR-2107	—	—	—
14/4	.415	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
14/4	.415	3/4"	RSR-2107	—	—	—

Cord Type S-STO-SO	Cord OD	Hub Size	Straight Cord Grip	Alternate Straight	90 Degree Cord Grip	45 Degree Cord Grip
18/2	.345	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
18/2	.345	3/4"	RSR-2106	—	—	—
18/3	.365	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
18/3	.365	3/4"	RSR-2106	—	—	—
18/4	.390	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
18/4	.390	3/4"	RSR-2107	—	—	—
16/2	.370	1/2"	RSR-1006	RSR-106	RSR-9106	RSR-45106
16/2	.370	3/4"	RSR-2106	—	—	—
16/3	.390	1/2"	RSR-1007	RSR-107	RSR-9107	RSR-45107
16/3	.390	3/4"	RSR-2107	—	—	—
16/4	.415	1/2"	RSR-107	RSR-1207	RSR-9107	RSR-45107
16/4	.415	3/4"	RSR-2107	—	—	—
14/2	.500	1/2"	RSR-109	RSR-1209	RSR-9109	RSR-45109
14/2	.500	3/4"	RSR-2109	RSR-209	RSR-9209	RSR-45209
14/2	.500	1"	RSR-309	—	RSR-9309	RSR-45309
14/3	.530	1/2"	RSR-109	RSR-1209	RSR-9109	RSR-45109
14/3	.530	3/4"	RSR-2109	RSR-209	RSR-9209	RSR-45209
14/3	.530	3/4"	RSR-209	—	RSR-9210	RSR-45210
14/3	.530	1"	RSR-309	RSR-310	RSR-9309	RSR-45309
14/4	.570	1/2"	RSR-110	RSR-1211	RSR-9110	RSR-45110
14/4	.570	3/4"	RSR-2110	RSR-211	RSR-9210	RSR-45210
14/4	.570	1"	RSR-310	RSR-311	RSR-9310	RSR-45310
12/2	.575	1/2"	RSR-110	RSR-1210	RSR-9110	RSR-45110
12/2	.575	3/4"	RSR-2110	RSR-210	RSR-9210	RSR-45210
12/2	.575	1"	RSR-310	—	RSR-9310	RSR-45310
12/3	.600	1/2"	RSR-110	RSR-1210	RSR-9110	RSR-45110

FLEXIBLE ELECTRICAL CORD OR CABLE TO CORD GRIP SELECTION TABLE

Cord Type S-STO-SO	Cord OD	Hub Size	Straight Cord Grip	Alternate Straight	90 Degree Cord Grip	45 Degree Cord Grip
12/3	.600	3/4"	RSR-2110	RSR-210	RSR-9210	RSR-45210
12/3	.600	1"	RSR-310	RSR-310	RSR-9310	RSR-45310
12/4	.650	1/2"	RSR-1211	—	—	—
12/4	.650	3/4"	RSR-211	RSR-2311	RSR-9211	RSR-45211
12/4	.650	1"	RSR-311	—	RSR-9311	RSR-45311
10/2	.625	1/2"	RSR-1211	—	—	—
10/2	.625	3/4"	RSR-211	RSR-2311	RSR-9211	RSR-45211
10/2	.625	1"	RSR-311	—	RSR-9311	RSR-45311
10/3	.660	1/2"	RSR-1211	—	—	—
10/3	.660	3/4"	RSR-211	RSR-2311	RSR-9211	RSR-45211
10/3	.660	1"	RSR-311	—	RSR-9311	RSR-45311
10/4	.710	1/2"	RSR-1212	—	—	—
10/4	.710	3/4"	RSR-212	RSR-2312	RSR-9212	RSR-45212
10/4	.710	1"	RSR-312	—	RSR-9312	RSR-45312
8/2	.675	1/2"	RSR-1211	—	—	—
8/2	.675	3/4"	RSR-211	RSR-2311	RSR-9211	RSR-45211
8/2	.675	1"	RSR-311	—	RSR-9311	RSR-45311
8/3	.725	1/2"	RSR-1212	—	—	—
8/3	.725	3/4"	RSR-212	RSR-2312	RSR-9212	RSR-45212
8/3	.725	1"	RSR-312	—	RSR-9312	RSR-45312
8/4	.780	1/2"	RSR-1213	—	—	—
8/4	.780	3/4"	RSR-213	RSR-2313	RSR-9213	RSR-45213
8/4	.780	1"	RSR-313	RSR-3514	RSR-9313	RSR-45313
8/4	.780	1 1/4"	RSR-414	—	RSR-9414	RSR-45414
8/4	.780	1 1/2"	RSR-514	—	RSR-9514	RSR-45514
6/2	.795	1"	RSR-313	RSR-3514	RSR-9313	RSR-45313
6/2	.795	1 1/4"	RSR-414	—	RSR-9414	RSR-45414
6/2	.795	1 1/2"	RSR-514	—	RSR-9514	RSR-45514
6/3	.865	1"	RSR-314	RSR-3514	RSR-9314	RSR-45314
6/3	.865	1 1/4"	RSR-414	—	RSR-9414	RSR-45414
6/3	.865	1 1/2"	RSR-514	—	RSR-9514	RSR-45514
6/4	.900	1"	RSR-315	RSR-3516	RSR-9315	RSR-45315
6/4	.900	1 1/4"	RSR-416	—	RSR-9416	RSR-45416
6/4	.900	1 1/2"	RSR-516	—	RSR-9516	RSR-45516
4/3	.975	1"	RSR-3516	—	—	—
4/3	.975	1 1/4"	RSR-416	—	RSR-9416	RSR-45416
4/3	.975	1 1/2"	RSR-516	—	RSR-9516	RSR-45516
4/4	1.100	1"	RSR-3518	—	—	—
4/4	1.100	1 1/4"	RSR-418	—	RSR-9418	RSR-45418
4/4	1.100	1 1/2"	RSR-518	—	RSR-9518	RSR-45518
2/3	1.170	1"	RSR-3520	—	—	—
2/3	1.170	1 1/4"	RSR-420	—	RSR-9420	RSR-45420
2/3	1.170	1 1/2"	RSR-520	—	RSR-9520	RSR-45520
2/4	1.290	1"	RSR-3522	—	—	—
2/4	1.290	1 1/4"	RSR-422	—	RSR-9422	RSR-45422
2/4	1.290	1 1/2"	RSR-522	—	RSR-9522	RSR-45522

NOTE: If a Mesh Grip is required, add letter 'E' to end of Remke part number. This chart is based on the cable diameters shown.

The actual diameter of the cable being used may require the next larger or smaller cord grip bushing.

Cable diameters vary between manufacturers and because cable manufacturers must allow tolerance, their published data should be checked.

The bushing I.D. should be larger than, but as close as possible to, the cable O.D.