
TECHNICAL DATA SHEET

ABB cable glands – ISR series

Industrial strain relief



Increased safety cable gland for use in ordinary and hazardous locations, including marine. Meets 100% of the IEC pullout requirements.

Certifications / Standards:


Metric is not UL listed



Features & Benefits:

- High pullout force
- Robust metallic construction
- Wide interface seal
- Wide clamping range
- Compact construction

Applications:

- Hazardous and industrial sites
 - Class I Div 2 and Class II Div 1 locations
 - Ex e and Ex ta Zones area
- Extreme temperatures environments
- Physically demanding applications
- Suitable for cable types:
 - Non-armoured
 - Portable
 - Tray

Material:

- Copper free aluminium (stainless steel 316L options)
- Silicone seal bushing
- Glass filled nylon and TPE grip

Environmental ratings:
Working Temperature:

- Approved: -50 to +110°C (-40 to +230°F)

Ingress protection:

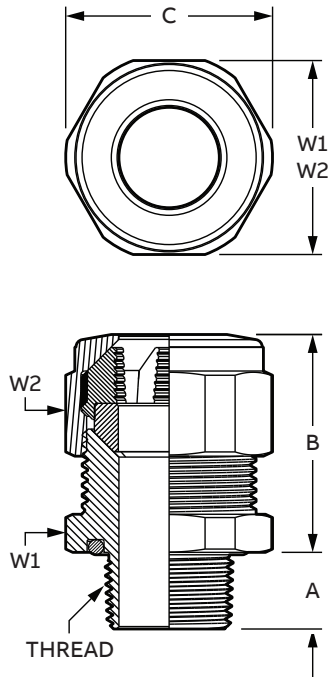
- IP66
- Type 4X

Chemical resistance guide:

- See publication TDS000081

Conforms to:

- RoHS (Restriction of Hazardous Substances Directive) 2011/65/EU Incorporating 2015/863 amendment to Annex II
- ATEX (Equipment for Explosive Atmospheres Directive) 2014/34/EU
- CSA C22.2/IEC/EN 60079-0, 60079-7, 60079-31
 - Ex II 1D 2G
 - Ex e IIC Gb
 - Ex ta IIIC Da
- UL2225
 - Class I Zone 1 AEx e IIC Zone 20 AEx ta
- CSA C22.2-25
 - Class I DIV2 ABCD Class II DIV1 EFG Class III DIV1
- UL514B /CSA C22.2-18.3
 - Wet and Dry Locations



Product selection

Part no:	Thread (NPT)	Cable range		Nominal dimensions				
		Min	Max	A	B	C	W1	W2
ISR050-053	1/2	8.26 (0.325)	13.34 (0.525)	15.75 (0.620)	41.91 (1.650)	34.29 (1.350)	31.75 (1.250)	31.75 (1.250)
ISR050-062	1/2	10.80 (0.425)	15.75 (0.620)	15.75 (0.620)	42.75 (1.683)	38.10 (1.500)	34.93 (1.375)	34.93 (1.375)
ISR075-062	3/4	10.80 (0.425)	15.75 (0.620)	16.00 (0.630)	42.75 (1.683)	41.28 (1.625)	38.10 (1.500)	38.10 (1.500)
ISR075-082	3/4	14.86 (0.585)	20.70 (0.815)	16.00 (0.630)	45.47 (1.790)	43.18 (1.700)	40.49 (1.594)	40.49 (1.594)
ISR100-102	1	19.94 (0.785)	26.04 (1.025)	19.94 (0.785)	46.18 (1.818)	48.26 (1.900)	44.70 (1.760)	44.70 (1.760)
ISR125-122	1-1/4	25.02 (0.985)	30.86 (1.215)	20.57 (0.810)	50.62 (1.993)	58.93 (2.320)	55.63 (2.190)	55.63 (2.190)
ISR125-137	1-1/4	30.10 (1.185)	34.80 (1.370)	20.57 (0.810)	48.72 (1.918)	58.93 (2.320)	55.63 (2.190)	55.63 (2.190)
ISR150-156	1-1/2	33.91 (1.335)	39.37 (1.550)	20.96 (0.825)	49.40 (1.945)	65.53 (2.580)	60.33 (2.375)	60.33 (2.375)
ISR200-179	2	38.74 (1.525)	45.34 (1.785)	21.84 (0.860)	51.23 (2.017)	76.50 (3.012)	72.85 (2.868)	72.85 (2.868)
ISR200-206	2	44.58 (1.755)	52.20 (2.055)	21.84 (0.860)	51.05 (2.010)	81.28 (3.200)	76.20 (3.000)	76.20 (3.000)

Product selection

Part no:	Thread (metric)	Cable range		Nominal dimensions				
		Min	Max	A	B	C	W1	W2
ISRM20-13	M20x1.5	8.25 (0.325)	13.34 (0.525)	16.00 (0.630)	41.91 (1.650)	34.29 (1.350)	31.75 (1.250)	31.75 (1.250)
ISRM20-15	M20x1.5	10.79 (0.425)	15.00 (0.591)	16.00 (0.630)	42.75 (1.683)	38.10 (1.500)	34.93 (1.375)	34.93 (1.375)
ISRM25-15	M25x1.5	10.79 (0.425)	15.75 (0.620)	18.00 (0.709)	42.75 (1.683)	41.28 (1.625)	38.10 (1.500)	38.10 (1.500)
ISRM25-20	M25x1.5	14.86 (0.585)	20.07 (0.790)	18.00 (0.709)	45.47 (1.790)	43.18 (1.700)	40.49 (1.594)	40.49 (1.594)
ISRM32-26	M32x1.5	19.94 (0.785)	26.04 (1.025)	18.00 (0.709)	46.18 (1.818)	48.26 (1.900)	44.45 (1.750)	44.45 (1.750)
ISRM40-31	M40x1.5	25.02 (0.985)	30.86 (1.215)	18.00 (0.709)	50.62 (1.993)	58.93 (2.320)	55.63 (2.190)	55.63 (2.190)
ISRM40-35	M40x1.5	30.10 (1.185)	34.80 (1.370)	18.00 (0.709)	48.72 (1.918)	58.93 (2.320)	55.63 (2.190)	55.63 (2.190)
ISRM50-39	M50x1.5	33.91 (1.335)	39.37 (1.550)	18.00 (0.709)	49.40 (1.945)	65.53 (2.580)	60.33 (2.375)	60.33 (2.375)
ISRM63-45	M63x1.5	38.73 (1.525)	45.34 (1.785)	20.00 (0.787)	51.23 (2.017)	81.28 (3.200)	76.20 (3.000)	72.85 (2.868)
ISRM63-52	M63x1.5	44.58 (1.755)	52.20 (2.055)	20.00 (0.787)	51.05 (2.010)	81.28 (3.200)	76.20 (3.000)	76.20 (3.000)

Add suffix "SS" to order stainless steel versions. ex: ISRM20-13SS

Bold numbers are metric, parenthesis numbers are inches.

Note: Product must be installed in accordance with applicable national and local electrical codes.

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