

# CRGE

## Commercial liquid resistant general purpose conduit



Galvanised steel flexible conduit covered with PVC jacket

**Certifications / Standards:**



**Features & benefits:**

- Corrosion resistant covered conduit for commercial and industrial construction
- High flexibility suitable for movable or curved applications

**Applications:**

- Light industrial
- General purpose
- Commercial and industrial construction



**Material / Materials / Finishes:**

- Galvanised steel core
- PVC jacket

**Degree of mechanical protection:**

High flexibility and fatigue life

**Temperature range:**

°C	-65	-45	-25	-5	0	5	60	90	105	120	150	250
°F	-85	-49	-13	23	32	41	140	194	221	248	302	482



**Ingress protection:**

Fitting	IP54
CRF	✓
CRS	✓

**UV Resistance:**

- Very high

**Conforms to:**

- CE marked to Low Voltage Directive 2014/35/EU

**Fire performance:**

Test Standard	Performance Rating
IEC 61386-1	Pass

For detailed test reports contact [cmg.conduitsystems@abb.com](mailto:cmg.conduitsystems@abb.com)

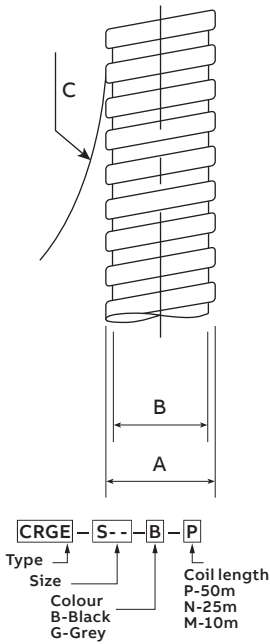
**Chemical resistance:**

- Please refer to TDS000081

**Compatible with:**

- CRF and CRS fittings

CRGE conduit – Part numbers and dimensions



Part No.	Conduit size			Dimensions (mm)					Standard length	Coil Colour
	IEC/EN (mm)	US / CAN		Out Dia. (A)		In Dia. (B)		Bend Radi (C)		
		in	mm	Min	Max	Min	Max	Max		
CRGESZ0B-P	10	1/4"		10.3		7.0		30.0	50	● ●
CRGES00B-P	12	5/16"		13.8		10.0		30.0	50	● ●
CRGES01B-P	16	3/8"	12	17.1		12.9		35.0	50	● ●
CRGES02B-P	20	1/2"	16	21.2		17.0		45.0	50	● ●
CRGES03B-P	25	3/4"	20	25.7		21.1		55.0	50	● ●
CRGES04B-N	32	1"	25	33.0		28.4		60.0	25	● ●
CRGES05B-N	40	1 1/4"	32	41.1		36.4		80.0	25	● ●
CRGES06B-M	50	1 1/2"	40	54.9		48.2		90.0	10	● ●
CRGES07B-M	63	2"	50	64.5		57.5		115.0	10	● ●
CRGES08B-M	75	2 1/2"	63	79.0		70.0		150.0	10	● ●

IEC/EN 61386 Classification

Type	Fitting	Compression	Impact	Min. Temp	Max. Temp	Bending	Electrical
CRGE	CRS	4	4	2	2	4	2
Classification level		>1250N	>6J	-5°C	90°C	Flexible	Insulator

Type	Fitting	IP Solids	IP Water	Corrosion	Tensile	Non-flame propagating	Suspended load
CRGE	CRS	6	5	-	4	1	5
Classification level		IP(6)X	IPX(5)	n/d	>1000N		>850N

Tensile tests to IEC/EN 61386 gives the minimum classification value only. Actual values will depend on the type and size of the fittings used and will always be greater than the minimum. Impact strength is the minimum classification value at the minimum temperature. Actual values will depend on size and temperature. Specific values available on request.

Mechanical properties

Standard	Test type	Requirement	Value
IEC/EN 61386-1	Maximum compression @ 23°C	10% crush	1600N
IEC/EN 61386-1	Maximum tensile strength @ 23°C	-	1100N
IEC/EN 61386-1	Maximum impact strength @ 23°C	No cracks <20% deformation	20J

Typical values for 20mm size conduit. Values for other sizes available on request

Thermal properties

Standard	Test type	Requirement	Permanent max temperature	Long term max temperature	Short term max temperature
IEC/EN 61386-23	Static	Retention of 50% of mechanical properties	-25°C	+70°C	+70°C
IEC/EN 61386-23	Dynamic	Dynamic 5000 cycles	-5°C		+90°C