

Executive Standard :

National standard : Q/SR006-020-2006 (having register)

Application Features :

Be suitable for different all kinds of carbon dioxide gas shielded weilding torch

Product features

- 1, The highest rated working temperature for the dominant conductor ---105 degrees.
- 2, The highest rated working temperature for line conductor ---125 degrees.
- 3, The highest rated working temperature for airway tube --- 125 degrees.
- 4, High conductivity; excellent softness; crack resistance; ageing resistance; LSFRZH, ZR , WD2

Product Structure

Product Technology (advanced materials , science and technology, radiation)

1, Airway Tube

It is made up by 125°C flame retarding crosslinked elastomers irradiation tube material and occupies ageing resistance,corossion resistance and LSFRZH advantages.

2,Conductor (including control line conductor)

Special flexible conductor for conductor welding machine cable (line of control is the fifth such flexible conductor),conductor construction according to customer requirements,the conductor materials for high-purity oxygen-free coppe a purity of not less than 99.99%, conductors smooth surface,oxide,grease defects such as conductor DC resistance is better than the GB/T3956 standard of 3% or more.

3. insulation of Control Line

It is made by 125 ° C irradiation of low smoke zero halogen flame retardant insulation material.

The average thickness of insulation is not less than the prescribed standard and it is suitable for Q\SR006-020-2006.

4 . Separation layer

A layer of the conductor outsourcs no hygroscopicity and non-woven material closed with integration. The function is to protect conductor and outer sheath isolation.

5. Outer sheath (covering)

It is produce by 105 ° C flame retarding crosslinked elastomers irradiation cable. The outer layer meets qualifaction in Q/SR006-020-2006 and owns softness ,crack resistance and so on .

Norminal section (mm <sup>2</sup> )	Airway Tube ( inner diameter × wall thickness ,mm)	Control line (core number × section, mm <sup>2</sup> )	Conductor root number/ diameter (mm)	Insulation layer (layer number ×thickness, mm)	Protective covering( standard thickness)	Cable diameter approximately ( ≤mm )	Protective covering (the thinnest point )	20degrees condutor DCR( ≤)
10	6 ×1.1	2×0.3	504/0.16	1×0.1	1.50	14.0	1.27	1.91
16	6 ×1.1	2×0.5	798/0.16	1×0.1	1.70	14.7	1.45	1.16
25	6 ×1.1	2×0.5	1244/0.16	1×0.1	1.70	15.5	1.45	0.758
35	8 ×1.5	2×0.75	1742/0.16	1×0.1	2.00	19.4	1.70	0.536
50	8 ×1.5	2×0.75	2489/0.16	1×0.1	2.00	20.5	1.70	0.379
52	8 ×1.5	2×0.75	2588/0.16	1×0.1	2.00	20.5	1.70	0.364
70	8 ×1.5	2×0.75	3488/0.16	1×0.1	2.00	21.9	1.70	0.268
60	8 ×3.0	2×0.75+8×0.75	2376/0.18	1×0.1	3.00	26.5	2.55	0.313