

# TYPE 0361TQ

[GB] (ARC WELDING CABLES)

Model Product: 455-456 - 20160309



Flexible conductor bare or tinned copper, class 5.  
Special EI7 compounds insulation.  
Elastomeric mixture jacket in type EM5 quality.

## STANDARDS

BS 638 Part4 BS EN 60332-1-2 BS 7655 HD 22.6 BS EN 60332-1

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 2)

## COMMON FEATURES

For portable electrode-carriers use. It's primary to follow the table's data of the user guide EN 50565 in merit to the service cycles, the intensities of current and the voltage fall. In order to reduce the effects of the alternating current on the voltage fall, the cables forming the welding circuit must be maintained as close as possible.

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):

6D  
During installation, when the cable is pulled, it has not to revolve about its axis

Maximum pulling stress: 50 Nmm<sup>2</sup>

## PACKING

100mt. rings in thermoplastic film or drums to agree.

CABLES FOR ARC WELDING WITH NORMAL FLEXIBILITY

Nominal voltage U0: 100 V

Nominal voltage U: 100 V

Test voltage: 1000 V

Maximum operating temperature: +85°C

Maximum short circuit temperature: +250°C

Minimum installation and laying temperature: -20°C

Min. operating temperature (without mechanical shocks): -35°C

## CORE COLOURS

Single core: Neutral

## SHEATH COLOUR

Black,Orange

## INK MARKING

GENERAL CAVI - IEMMEQU TYPE 0361TQ 100/100 V 1xsection

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*general*  
**General Cavi** s.p.a.

Cores number (N°)	Cross section (mm <sup>2</sup> )	Approx conductor diameter (mm)	Insulation medium thickness (mm)	External diameter		Approx cable weight (kg/km)	Electric resistance at 20°C red copper (Ohm/km)	Current carrying capacities 85°C	
				Minimum (mm)	maximum (mm)			Continuous Load (A)	Intermittent load (A)
Single core									
1x	10	0.41	2.0	7.7	9.7	153	1.91	100	140
1x	16	0.41	2.0	8.8	11.0	220	1.21	110	160
1x	25	0.41	2.0	10.1	12.7	310	0.780	140	200
1x	35	0.41	2.0	11.4	14.2	420	0.554	180	250
1x	50	0.41	2.2	13.2	16.5	580	0.386	210	320
1x	70	0.51	2.4	15.3	19.2	799	0.272	270	400
1x	95	0.51	2.6	17.1	21.4	1050	0.206	330	500
1x	120	0.51	2.8	19.2	24.0	1330	0.161	380	600
1x	150	0.51	3.0	21.1	26.4	1610	0.129	440	700
1x	185	0.51	3.2	23.1	28.9	1904	0.106	480	800
1x	240	0.51	3.4	24.5	30.1	2290	0.0801	520	900

MINIMUM ORDER QUANTITY