Single Core High Conductivity Copper Conductor EM-5 Chlorinated Rubber Compound 85°C Sheathed Welding Cable as per DIN VDE 0282 Specification

Application

- ✓ For use between welding generator and the hand electrode and the work piece.
- ✓ For use in automobile industry, in ship building, in transport and conveyor systems, tool making machinery, welding robots, etc.

Product Construction

- ✓ Conductor : Fine stranded plain or tinned class-6 copper conductors conforming to DIN VDE 0295, IEC 60228 and HD 383
- ✓ Separator : Dry Paper, Polyester Tape
- ✓ Sheath : Neoprene outer jacket, chlorinated rubber compound Em5
- ✓ Colour : Orange or Black

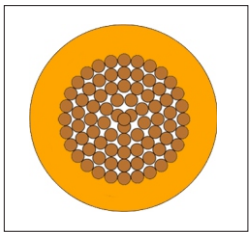
Technical Data

- ✓ Temperature Range : 85°C
- ✓ Voltage for Testing : 1000 V AC
- ✓ Bending Radius(Minimum) : 6x Overall dia.

Features

- ✓ Flexibility under rough, open dry, damp conditions.
- ✓ Oli resistant to DIN EN 60811-2-1
- ✓ High flexibility under the effect of ozone, light oxygen, inert gas, oil or petrol.

2D View



Approvals	Accreditations	Certifications

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Part Number	Nominal Conductor Area (mm^2)	Maximum Strand dia (mm)	Thickness of Insulation (mm)	Approx. Overall diameter (mm)	Approx Weight of Cable (kg/km)	Maximum Conductor Resistance at 20°C (Ω/Km)	
						Plain Wires	Tinned Wires
53827XX	10	0.21	2.0	8.8	153	1.83	1.84
53828XX	16	0.21	2.0	9.9	220	1.15	1.16
53830XX	25	0.21	2.0	11.2	310	0.727	0.734
53832XX	35	0.21	2.0	12.4	410	0.524	0.529
53834XX	50	0.21	2.2	14.4	565	0.387	0.391
53837XX	70	0.21	2.4	16.5	780	0.268	0.270
53838XX	95	0.21	2.6	18.7	1040	0.193	0.195
53841XX	120	0.51	2.8	20.6	1300	0.153	0.154
53842XX	150	0.51	3.0	22.7	1600	0.124	0.126

Rating factors for variation in Ambient temperature

Ambient Temperature °C	25	30	35	40	45	50
Rating factor	1.08	1.00	0.91	0.82	0.71	0.58

Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.										
Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.

✓ Current Carrying capacity given is for the maximum conductor operating temperature of 80°C and ambient air temperature of 40°C.

✓ * Other length as per Customer order.

Catalogue No. 538

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All information given are in good faith.Siechem's liability is only to replace the defective portion of cables provided the same is mutually established as manufacturing defects within the guarantee period as agreed in writing and Siechem shall not be liable for any compensation or damages. Siechem reserves the right to revise any of the above specifications without prior intimation. Subject to Chennai Jurisdiction.