

SPECIFICATION CONTROL DRAWING

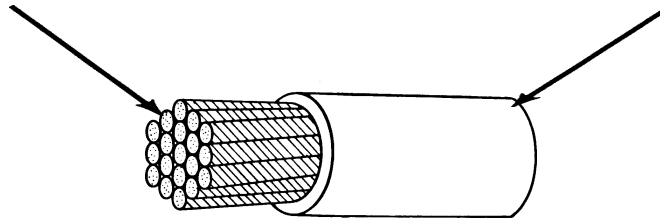
MPCB-X

TITLE METRIC CONDUCTOR, BARE COPPER, T4 3000 HOURS @ 150°C, 600 VOLT	Date 1-18-05	Revision H
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Test methods to be in accordance with WCD 3104.

STRANDED WIRE - BARE COPPER

INSULATION - RADIATION-CROSSLINKED,
MODIFIED FLUOROELASTOMER



CONSTRUCTION DETAILS

PART NUMBER <u>1/</u>	WIRE SIZE (mm ²)	CONDUCTOR STRANDING (number of strands min.)	CONDUCTOR DIAMETER UPPER SPEC LIMIT inch (mm)	FINISHED CABLE				WEIGHT lbs/1000ft. (kg/km)
				MAXIMUM RESISTANCE AT 20°C ohms/1000ft. (ohms/km)	INSULATION THICKNESS		DIAMETER UPPER SPEC LIMIT inch (mm)	
					LOWER SPEC LIMIT Inch (mm)	TARGET Inch (mm)		
MPCB-20.0*	20.0	180	.244 (6.20)	.292 (.958)	.021 (.533)	.025 (.635)	.302 (7.67)	141. (210.)

ADDITIONAL REQUIREMENTS

CONCENTRICITY: 70% (minimum)
 INSULATION COLOR: Black or Red
 INSULATION FLAWS:
 Spark Test, 5.0 kV (rms)
 INSULATION ELONGATION AND TENSILE STRENGTH:
 Elongation, 200% (minimum)
 Tensile Strength, 1800 lbf/in² (minimum)
 SHRINKAGE: 150°C, 12mm maximum total of both ends

PART NUMBER:
 The "*" in the part numbers above shall be replaced by a color code designator, 0, black or 2, red.
1/ Example: 20mm², red: MPCB-20.0 - 2

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer

1/ COLORS IN ACCORDANCE WITH SAE J1128, COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. CONSTRUCTIONS QUALIFIED TO FORD ES SPECIFICATIONS 97GG14401AA (11/11/97) AND AS AGREED UPON WITH THE CUSTOMER. OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.



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DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.