

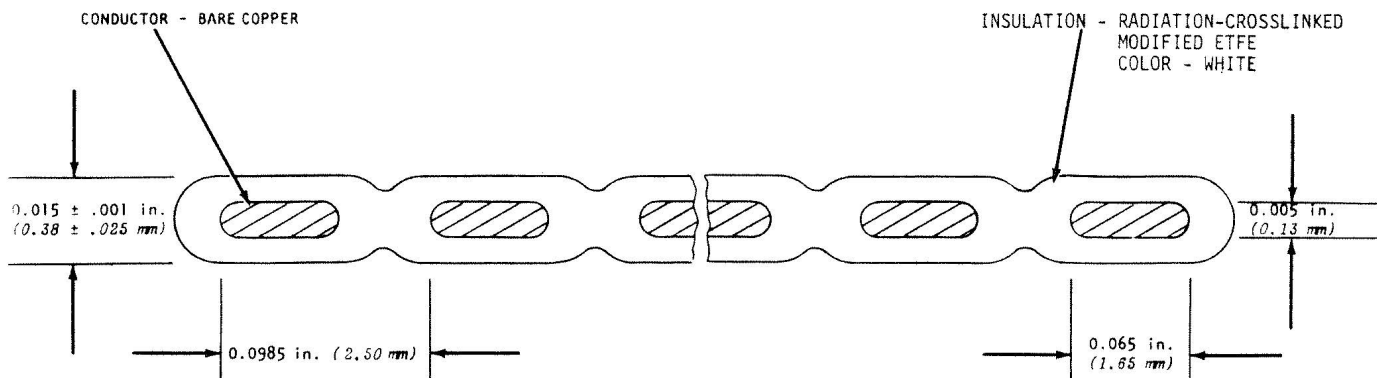
CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED, AWG 24-EQUIVALENT, BARE COPPER

26 June 1987

Revision F

150°C

The complete requirements for procuring the cable described herein shall consist of this document and the issue in effect of Raychem Specification 50.



CABLE CONSTRUCTION DETAILS			
PART NUMBER	NUMBER OF CONDUCTORS	NOMINAL CABLE WIDTH. ± .016 in. (± 0.41mm)	MAXIMUM CABLE WEIGHT, lb/1000 ft (kg/km)
T U 05 100 24B	5	0.494 (12.5)	11.3 (16.8)
T U 10 100 24B	10	0.987 (25.1)	22.5 (33.5)
T U 20 100 24B	20	1.972 (50.1)	44.9 (66.8)

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: -55°C to 150°C  
 VOLTAGE RATING: 450 volts (rms)  
 ACCELERATED AGING: 300°C ± 3°C for 7 hours,  
 .25 in. (6.4 mm) mandrel, 4.0 lb (including weight of clamp)  
 BLOCKING: 200°C  
 CONDUCTOR RESISTANCE (at 20°C):  
 28.1 Ω/1000 ft (92.2 Ω/km) (maximum)

FLAMMABILITY: 3 seconds (maximum), 3 in. (76.2 mm) (maximum)

FLEXING ENDURANCE:

TEMPERATURE (°C)	MINIMUM NUMBER OF CYCLES
150 ± 5	400
-55 ± 5	400

IDENTIFICATION DURABILITY: 125 cycles, weight 150 gm  
 IDENTIFICATION OF PRODUCT: The cable shall be marked  
 "RAYCHEM-(part number from table above) 06090" in green  
 ink along the left edge of one side of the cable.

INSULATION FLAWS: 3500 volts (rms)  
 INSULATION RESISTANCE: 500 MΩ for 1000 ft  
 (152 MΩ for 1 km) (minimum)  
 LIFE CYCLE: 200 ± 3°C for 168 hours  
 MOISTURE RESISTANCE: 500 MΩ for 1000 ft (152 MΩ for 1 km)  
 SHRINKAGE: 200 ± 3°C for 6 hours, .062 in.  
 (1.57 mm) (maximum) in 12 in. (305 mm)  
 VACUUM STABILITY:  
 Total Mass Loss (TML), 1.0% (maximum)  
 Volatile Condensable Material (VCM), 0.1% (maximum)  
 VOLTAGE WITHSTAND: 1500 volts, 60 Hz

PART NUMBER:

The "24" in the part numbers above shall indicate the equivalent round wire size (AWG), which is based on conductor cross section.  
 The "8" in the part numbers above shall indicate the bare copper conductor material.  
 The "\*" in the part numbers above shall indicate the number of conductors.



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



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