SPECIFICATION CONTROL DRAWING

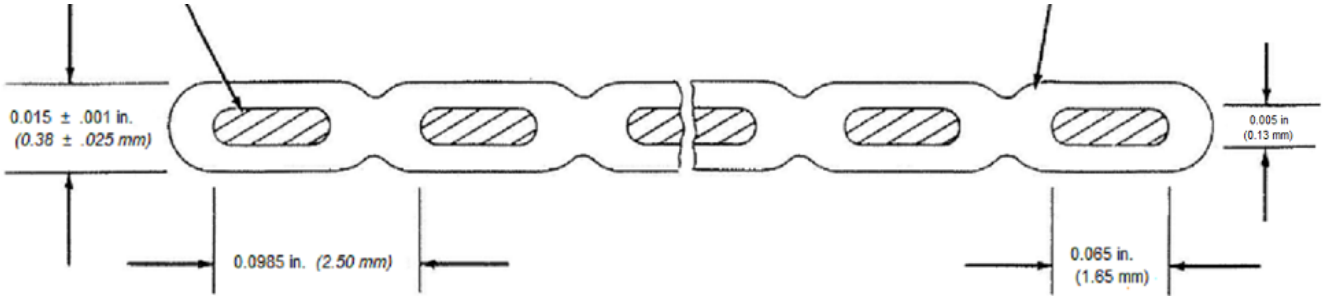
SCD **TU * 100 24B**

Title	Date	Revision
CABLE, ELECTRIC, RADIATION-CROSSLINKED, MODIFIED, ETFE-INSULATED, AWG 24-EQUIVALENT, BARE COPPER	4-14-21	G

This specification sheet forms a part of the latest issue of Raychem Specification 50.

CONDUCTOR- BARE COPPER

INSULATION -RADIATION-CROSSLINKED, MODIFIED ETFE
COLOR- WHITE



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

ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: -55° to 150°C
VOLTAGE RATING: 450 volts (rms)
ACCELERATED AGING: 300 ± 3°C for 7 hours
0.25 in. *(6.4 mm)* mandrel, 4.0 lb (including weight of clamp)
BLOCKING: 200°C
CONDUCTOR RESISTANCE (at 20°C):
28.1 ohms/1000 ft *(92.2 ohms/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 g
IDENTIFICATION OF PRODUCT: The cable shall be marked with "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 megohms for 1000 ft *(152 megohms for 1 km)* (minimum)

LIFE CYCLE: 200 ± 3°C for 168 hours
MOISTURE RESISTANCE: 500 megohms for 1000 ft *(152 megohms for 1 km)* (minimum)
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 (POST ENVIROMENTAL):
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 "B" in the part numbers above shall indicate the bare copper conductor material.
The "*" the part number above shall indicate the number of conductors.

Note: Nominal values are for information only. Nominal values are not requirements.

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