

BILL OF MATERIAL

ITEM NO.	SEC-TION	DESCRIPTION	LENGTH IN.	MATERIAL	CODE NO. OR SKE. NO.
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CRIPITION: 16/24 STRANDED 300 VOLT LOW TEMPERATURE FLEX CABLE WITH BRAIDED SHIELD
 STRUCTIION: 24 BARE COPPER INSULATED CONDUCTORS IN A CONCENTRIC STRAND STRUCTURE.
 AN OVERALL TINNED COPPER BRAID AND AN OVERALL JACKET.

MANUFACTURE:
 Q-S TECHNOLOGIES
 PART NO: 772416 MOD

STRUCTIION PARAMETERS:

CONDUCTOR 16 AWG BARE COPPER
 STRANDING 65/34
 INSULATION MATERIAL TPE - A THERMOPLASTIC ELASTOMER (TPR)
 INSULATION THICKNESS 0.015 NOMINAL WALL
 INSULATED CONDUCTOR DIAMETER 0.085 ±0.002
 NUMBER OF CONDUCTORS 24
 LAY DIRECTION TRUE CONCENTRIC-TPE CORE, 9/LH, 15/RH
 FILLER TYPE FIBRILATED POLYPROPYLENE
 BRAID MATERIAL 34AWG TINNED COPPER
 BRAID COVERAGE 85% NOMINAL
 OVERALL SEPARATORS NON-WOVEN POLYESTER
 JACKET MATERIAL TPE - A THERMOPLASTIC ELASTOMER (TPR)
 JACKET THICKNESS 0.045 NOMINAL WALL
 OVERALL CABLE DIAMETER 0.619 ±0.010
 MINIMUM BEND RADIUS 3.0 STATIONARY, 6.5 FLEXING
 APPROXIMATE CABLE WEIGHT 316 LBS/1000 FT NOMINAL

CTRICAL PROPERTIES:

TEMPERATURE RATING -50°C TO 105°C STATIONARY, -40°C FLEXING
 OPERATING VOLTAGE 300 VOLTS
 DC RESISTANCE PER CONDUCTOR (20°C) 4.020 OHMS/1000 FT NOMINAL AT 20°C

LE IDENTIFICATION:

INSULATION COLORS ICEA / NEMA - METHOD 1, TABLE K2
 JACKET COLOR BLACK
 MANUFACTURE'S LEGEND MFG. MATERIAL, TYPE, RATED VOLTAGE & TEMP

TOLERANCE UNLESS OTHERWISE SPECIFIED		MACHINING		SCALE	
DECIMAL PLACES	FABRICATION	DR. MMK	1:1	DR. MMK	1:1
(1) PLACE 0.0	± 0.10 FEET > 10 FEET	± 0.03	± 0.03	± 0.03	± 0.03
(2) PLACE 0.00	± 0.05	± 0.015	± 0.015	± 0.015	± 0.015
(3) PLACE 0.000	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005
ANGLES		± 0.30°	± 0.30°	± 0.30°	± 0.30°

Mantowoc Cables, Inc.	CABLE - CONTROL
Mantowoc, Wisconsin	SHIELDED-16AWG/24 COND
MODEL ALL	

DATE	08-09
PART NO	8101

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1624 CABS - 0951

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