

ITEM NO. SEC. NUMBER	DESCRIPTION	LENGTH IN	MATERIAL OR DRG. NO.

BILL OF MATERIAL

DESCRIPTION: 20/3 STRANDED 300 VOLT LOW TEMPERATURE FLEX CABLE WITH BRAIDED SHIELD CONSTRUCTION: 3 BARE COPPER INSULATED CONDUCTORS IN A CONCENTRIC STRAND STRUCTURE. AN OVERALL TINNED COPPER BRAID AND AN OVERALL JACKET.

MANUFACTURE:
O-S TECHNOLOGIES
PART NO: 119487-MOD

APPROVALS:
CONSTRUCTION PARAMETERS:

CONDUCTOR STRANDING 20 AWG BARE COPPER 19/32
 INSULATION MATERIAL TPE - A THERMOPLASTIC ELASTOMER (TPR)
 INSULATION THICKNESS 0.030 NOMINAL WALL
 INSULATED CONDUCTOR DIAMETER 0.098 ± 0.003
 NUMBER OF CONDUCTORS 3 WITH TPE FILLERS
 LAY DIRECTION LENGTH NOT REQUIRED FOR 3 CONDUCTOR CABLE
 FILLER TYPE NON-WICKING FOAMED POLYPROPYLENE
 SHIELD BRAID MATERIAL 36AWG TINNED COPPER
 SHIELD BRAID COVERAGE 85% MINIMUM COVERAGE
 SEPARATOR MYLAR TAPE
 JACKET MATERIAL TPE - A THERMOPLASTIC ELASTOMER (TPR)
 JACKET THICKNESS 0.030 NOMINAL WALL
 OVERALL CABLE DIAMETER 0.298
 MINIMUM BEND RADIUS: 3.5 STATIONARY, 7.5 FLEXING
 APPROXIMATE CABLE WEIGHT 46 LBS/MFT NOMINAL

ELECTRICAL PROPERTIES:
 TEMPERATURE RATING -50° C TO 80° C STATIONARY, -40° C FLEXING
 OPERATING VOLTAGE 300 VOLTS
 DC RESISTANCE PER CONDUCTOR (20° C) 10.15 OHMS/MFT NOMINAL

CABLE IDENTIFICATION:
 INSULATION COLORS BLACK, WHITE, GREEN
 JACKET COLOR BLACK
 MANUFACTURE'S LEGEND MFG. MATERIAL, TYPE, RATED VOLTAGE & TEMP

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TOLERANCE UNLESS OTHERWISE SPECIFIED		MACHINING	
DECIMAL PLACES	FABRICATION	MACHINING	SCALE
(1) PLACE 0.0	± 10 FEET > 10 FEET	± .03	3/16
(2) PLACE 0.00	± .12	± .015	1/8
(3) PLACE 0.000	± .06	± .005	1/16
ANGLES	± 1.30	± 10'30"	1/32

Mantowoc Cranes, Inc.		CABLE - CONTROL
Mantowoc, Wisconsin		SHIELDED-20AWG/3 COND
MODEL ALL		

DATE 03-08-07
 PATTERN NO.
 CODE NO.
 DIM. NO. A18833

DO NOT SCALE THIS DRAWING

PRIVATE LABELING
 REQUIREMENT TO
 CONFORM TO
 ENGINEERING
 SPECIFICATION
 6829103/94 FOR
 COMPONENTS LISTED
 IN 605500-05-035