

ITEM NO.	SEC.	DESCRIPTION	CODE NO.
NO. PREFIX	TYPE		OR DWG. NO.

BILL OF MATERIAL

ASSEMBLES USED ON	REVISIONS
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DESCRIPTION: 20/4 STRANDED 300 VOLT LOW TEMPERATURE FLEX CABLE WITH BRAIDED SHIELD CONSTRUCTION: 4 BARE COPPER INSULATED CONDUCTORS IN A CONCENTRIC STRAND STRUCTURE. AN OVERALL TINNED COPPER BRAID AND AN OVERALL JACKET.

MANUFACTURE:
O-S TECHNOLOGIES
PART NO: 119488-MDD

CONSTRUCTION PARAMETERS:

CONDUCTOR: 20 AWG BARE COPPER
 STRANDING: 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: 4 WITH TPE FILLERS
 LAY DIRECTION LENGTH: NOT REQUIRED FOR 4 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: 0.324
 MINIMUM BEND RADIUS: 3.5 STATIONARY, 7.5 FLEXING
 APPROXIMATE CABLE WEIGHT: 57 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, RED, GREEN
 JACKET COLOR: BLACK
 MANUFACTURE'S LEGEND: MFG. MATERIAL, TYPE, RATED VOLTAGE & TEMP

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DECIMAL PLACES	FABRICATION	TOLERANCE UNLESS OTHERWISE SPECIFIED	MACHINING
(1) BLANK 0.0	± .10 FEET > 10 FEET	± .12	± .03
(2) PLATE 0.00	± .12	± .06	± .015
(3) PLATE 0.000	± .12	± .06	± .005
ANGLES	± 1.50	± 30'	± 30'

SCALE	UNIT
1" = 10'	U.S.
1" = 12'	A18565

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin
Model: ALL

CABLE - CONTROL
SHIELDED-20AWG/4 COND

PATTERN NO.
DATE: 01-11-07
PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 5829103794 FOR COMPONENTS LISTED IN 605500-05-035

DO NOT SCALE THIS DRAWING