

ITEM NO. / SEC. / TION		DESCRIPTION		BILL OF MATERIAL	
NO.	NO.	NO.	NO.	NO.	NO.
REVISION	SECTION	DESCRIPTION	MATERIAL	CODE NO.	OR DRG. NO.

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-MOD

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

THIS PRINT REMAINS THE PROPERTY OF
 MANITOWOC CRANES, INC.
 ALL INFORMATION CONTAINED HEREON IS CONFIDENTIAL.
 IT IS LOANED, SUBJECT TO RETURN UPON DEMAND,
 AND ON EXPRESS CONDITION THAT IT IS NOT TO BE
 COPIED OR USED DIRECTLY OR INDIRECTLY IN ANY
 MANNER WHATSOEVER DETRIMENTAL TO OUR INTERESTS.

TOLERANCE UNLESS OTHERWISE SPECIFIED		MACHINING	
DECIMAL PLACES	FABRICATION	MACHINING	SCALE
(1) PLACE 0.0	± 0.12	± 0.03	DR: TMB
(2) PLACE 0.00	± 0.06	± 0.015	CK: MWK
(3) PLACE 0.000	± 0.012	± 0.005	APP: MLIK
ANGLES	± 1° 30'	± 0° 30'	

15	15	15	15	15	15
10	10	10	10	10	10
5	5	5	5	5	5
1	1	1	1	1	1
Manitowoc Cranes, Inc.					
<i>Manitowoc Wisconsin</i>					
MODEL	ALL				

CABLE - CONTROL	SHIELDED-20AWG/4 COND
-----------------	-----------------------

PATTERN NO.	DATE	ASSEMBLIES USED ON
	01-11-07	
CODE NO.		
DRG. NO.	A18565	

PRIVATE LABELING
 REQUIREMENT TO
 CONFORM TO
 ENGINEERING
 SPECIFICATION
 6829103794 FOR
 COMPONENTS LISTED
 IN 685500-05-035

DO NOT SCALE THIS DRAWING

