

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

**BILL OF MATERIAL**

DESCRIPTION: 20/2 STRANDED 300 VOLT LOW TEMPERATURE FLEX CABLE WITH BRAIDED SHIELD  
 CONSTRUCTION: 2 BARE COPPER INSULATED CONDUCTORS IN A CONCENTRIC STRAND STRUCTURE.  
 AN OVERALL TINNED COPPER BRAID AND AN OVERALL JACKET.

MANUFACTURE:  
 O-S TECHNOLOGIES  
 PART NO: 119466-MDD

**CONSTRUCTION PARAMETERS:**

CONDUCTOR STRANDING INSULATION MATERIAL INSULATION THICKNESS INSULATED CONDUCTOR DIAMETER NUMBER OF CONDUCTORS LAY DIRECTION LENGTH FILLER TYPE SHIELD BRAID MATERIAL SHIELD BRAID COVERAGE SEPARATOR JACKET MATERIAL JACKET THICKNESS OVERALL CABLE DIAMETER MINIMUM BEND RADIUS: APPROXIMATE CABLE WEIGHT

20 AWG BARE COPPER  
 19/32  
 TPE - A THERMOPLASTIC ELASTOMER (TPR)  
 0.030 NOMINAL WALL  
 0.098 ± 0.003  
 2 WITH TPE FILLERS  
 NOT REQUIRED FOR 2 CONDUCTOR CABLE  
 NON-WICKING FOAMED POLYPROPYLENE  
 36AWG TINNED COPPER  
 85% MINIMUM COVERAGE  
 MYLAR TAPE  
 TPE - A THERMOPLASTIC ELASTOMER (TPR)  
 0.030 NOMINAL WALL  
 0.282  
 3.5 STATIONARY, 7.5 FLEXING  
 41 LBS/MFT NOMINAL

**ELECTRICAL PROPERTIES:**

TEMPERATURE RATING OPERATING VOLTAGE DC RESISTANCE PER CONDUCTOR (20°C)

-50°C TO 80°C STATIONARY, -40°C FLEXING  
 300 VOLTS  
 10.15 OHMS/MFT NOMINAL

**CABLE IDENTIFICATION:**

INSULATION COLORS JACKET COLOR MANUFACTURE'S LEGEND

BLACK, WHITE  
 BLACK  
 MFG, MATERIAL, TYPE, RATED VOLTAGE & TEMP

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 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		SCALE	
DECIMAL PLACES	FABRICATION	FINISH	DR. TMB	2	3
(1) FLAGE 0.0	±.12	±.03	CK. MKK	1/2	1/4
(2) FLAGE 0.00	±.06	±.015	APR MKK	1/8	1/16
(3) FLAGE 0.000	±.12	±.005	APR MKK	1/16	1/32
ANGLES	±1°30'	±0°30'			

**Manitowoc Cranes, Inc.**  
 Manitowoc, Wisconsin  
 MODEL ALL

CABLE - CONTROL  
 SHIELDED-20AWG/2 COND

PATTERN NO.  
 CODE NO.  
 DATE  
 01-11-07  
 PRIVATE LABELING  
 REQUIREMENT TO  
 CONFORM TO  
 ENGINEERING  
 SPECIFICATION  
 8629103794 FOR  
 COMPONENTS LISTED  
 IN 935300-05-033

DO NOT SCALE THIS DRAWING