

ITEM NO. / SEC. / TON		DESCRIPTION		BILL OF MATERIAL	
NO.	REPO.	TON			
			LENGTH IN.	MATERIAL	CODE NO. OR DRG. NO.

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-MOD

APPROVALS:

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 2 WITH TPE FILLERS
 LAY DIRECTION LENGTH NOT REQUIRED FOR 2 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 0.282
 MINIMUM BEND RADIUS: 3.5 STATIONARY, 7.5 FLEXING
 APPROXIMATE CABLE WEIGHT 41 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
 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		SCALE	
DECIMAL PLACES	FABRICATION	TOLERANCE TO THIS DIMENSION	DR. TMB	DR. MJK	SCALE
(1) PLACE 0.0	± .12	± .03	OK	MJK	3/16
(2) PLACE 0.00	± .06	± .015	OK	MJK	1/8
(3) PLACE 0.000	± .012	± .005	OK	MJK	1/32
ANGLES	±1°30'	±0°30'	APP	MJK	1/64

Manitowoc Cranes, Inc.		CABLE - CONTROL		PATTERN NO.	
Manitowoc, Wisconsin		SHIELDED-20AWG/2 COND		CODE NO.	
MODEL ALL				A18563	

PRIVATE LABELING
 REQUIREMENT TO
 CONFORM TO
 ENGINEERING
 SPECIFICATION
 6829103794 FOR
 COMPONENTS LISTED
 IN 685500-05-035
 DATE
 01-11-07

REVISIONS

--	--

DO NOT SCALE THIS DRAWING

ITEM NO. / SEC. / TION		DESCRIPTION		BILL OF MATERIAL	
NO.	NO.	NO.	NO.	NO.	NO.
REVISIONS	LENGTH IN.	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.		TOLERANCE UNLESS OTHERWISE SPECIFIED		SCALE		ASSEMBLIES USED ON	
DECIMAL PLACES	FABRICATION	MACHINING	DR. TMB	1/8	1/4	CABLE - CONTROL	PATTERN NO.
(1) PLACE 0.0	± .12	± .03	CK: MWK	1/16	1/8	SHIELDED-20AWG/4 COND	CODE NO.
(2) PLACE 0.00	± .06	± .015	APP: MLIK	1/32	1/16		DWG. NO.
(3) PLACE 0.000	± .012	± .005		1/64	1/32		A18565
ANGLES	±1°30'	±0°30'					

Manitowoc Cranes, Inc.
 Manitowoc, Wisconsin
 MODEL ALL

DATE 01-11-07
 PRIVATE LABELING REQUIREMENT TO CONFORM TO ENGINEERING SPECIFICATION 6829103794 FOR COMPONENTS LISTED IN SDS500-05-035

DO NOT SCALE THIS DRAWING