

## GENERAL PRODUCT SPECIFICATION Phone 800-316-8877 Fax 978-368-1275 www.jamesmonroewire.com

**Description:** Twelve Conductor Composite Cable

With Kevlar Reinforced TPE Jacket

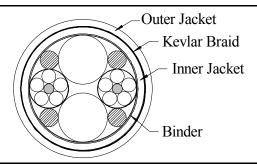
**Drill Mast Cable** 

Date: 10/24/2008

JM Part Number: JM55704-10 10530 TC

Reference: 12CB/TT-0-JM

**Cable Diagram** 



**Components** 

Component A: Two 4/0 AWG Insulated Conductors

Conductor: 4/0 AWG, 551/24 tinned copper

Insulation: .069" nominal wall of TPE (see color code) .718"

Component B: Two Twisted Groups of Five 10 AWG Insulated Conductors

Conductor: 10 AWG, 105/30 tinned copper

Insulation: .047" nominal wall of TPE (see color code) .212"

GroupTwist: Five conductors twisted together with core filler

Binder: Clear Mylar tape .575"

**Overall Cable Construction** 

Cabling: Two A Components and Two B Components with fillers, as necessary for roundness

Binder: .008" SBR/Polyester tape - 50% Overlap

Jacket: Reinforced TPE Jacket

Inner Layer: .080" nominal wall of pressure extruded Black TPE

Reinforcement: Kevlar Yarn

Outer Layer: .080" nominal wall of pressure extruded Black TPE 1.932" nominal

1.950" maximum

<u>Print</u>

JMWCC JM55704 DRILL MAST CABLE 2C 4/0 AWG + 10C 10 AWG 110C 2KV

**Color Code** 

Comp A: Black and White

Comp B: Group 1: Black and Printed "1 - ONE" Group 2: Black and Printed "6 - SIX"

Black and Printed "2 - TWO"

Black and Printed "3 - THREE"

Black and Printed "8 - EIGHT"

Black and Printed "9 - NINE"

Black and Printed "5 - FIVE"

Black and Printed "10 - TEN"

Requirements

Temperature: -70C to 110C Voltage: 2000V

Bend Radii: Static (Permanent Training) 12" Minumum

Dynamic (Pulling) 24" Miniimum

Written By: 10/24/2008 Rev. 0 Initial Issue rjc Revised By: 2/9/2009 Rev. 2 Revised Jacket Walls and Overall OD's scs Revised By: 2/25/2009 Rev. 3 Revised 4/0 stranding and temperature range, Added Part and Reference Numbers scs Changed from 10 65/28 TC to 10 105/30 TC Revised By: ajd 2/7/2017 Rev. 4