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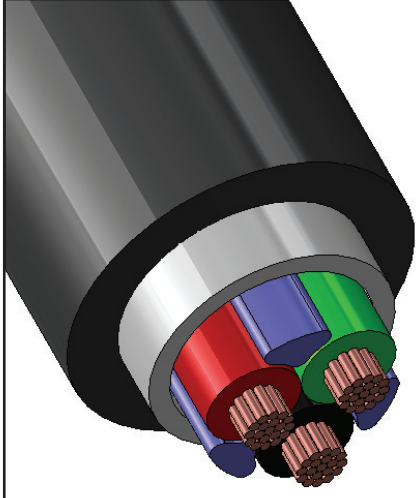
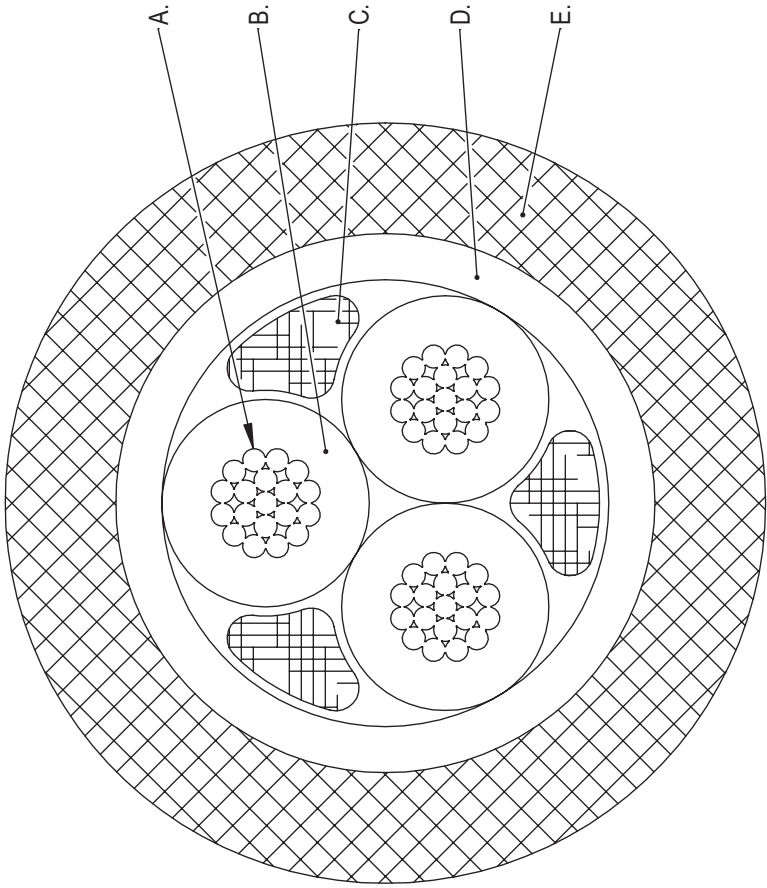
DESC: ENDUROFLEX XM PRODUCT LINE

CUSTOMER: NA NWI P/N: ENDUR-XM

CUST. P/N: NA DRAWN: A. SPALDING UNITS: IN SCALE: 24:1 DWG NO: ENDUR-XM DATE: 1/15/2014 REV: H

CORE DIMENSIONS FOR INTERNAL USE ONLY

| ITEM | SPECIFICATIONS |
|------|---|
| A. | 19 STRAND TINNED COPPER |
| B. | 9 MIL PVC INSULATION PER UL AWM 10958 8 MIL MIN. PVC INSULATION |
| C. | FIBRILATED POLYPROPYLENE FILLER IF APPLICABLE |
| D. | PTFE TAPE WRAP |
| E. | 30 MILS GRAY ENDUROFLEX JKT 105 °C 300 OR 600V, AWM STYLE 21002 UL & CSA RECOGNIZED. CABLES OVER .300 O.D. WILL HAVE DIFFERENT JACKET WALL REQUIREMENTS, SEE TABLES |



ISOMETRIC VIEW
FOR REFERENCE ONLY

LEGEND SPECIFICATIONS

WI: EnduroFLEX® XM RU AWM E54661 105C 300V or 600V CSA AWM LL54185 I/II A/B 105C 300V or 600V FT1
 NM: EnduroFLEX® XM RU AWM E54661-02 105C 300V or 600V "CSA-C/US" AWM LL54185 (02) III A/B 105C 300V or 600V FT1



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| | | |
|---------------|--------------------|------------------|
| DESC: | UNITS: IN | SCALE: 24:1 |
| CUSTOMER: NA | NWI P/N: ENDUR-XM | DWG NO: ENDUR-XM |
| CUST. P/N: NA | DRAWN: A. SPALDING | DATE: 1/15/2014 |
| | | REV: H |

| COLOR CODE CHART | |
|------------------|---|
| 2 POLE | BROWN, BLUE |
| 3 POLE | BROWN, BLUE, BLACK |
| 4 POLE | BROWN, WHITE, BLUE, BLACK |
| 5 POLE | BROWN, WHITE, BLUE, BLACK, GRAY |
| 6 POLE | BROWN, WHITE, BLUE, BLACK, GRAY, PINK |
| 7 POLE | WHITE, BROWN, GREEN, YELLOW, GRAY, PINK, BLUE |
| 8 POLE | WHITE, BROWN, GREEN, YELLOW, GRAY, PINK, BLUE, RED |
| 9 POLE | WHITE, BROWN, GREEN, YELLOW, GRAY, PINK, BLUE, RED, BLACK |
| 10 POLE | WHITE, BROWN, GREEN, YELLOW, GRAY, PINK, BLUE, RED, BLACK, VIOLET |
| 11 POLE | WHITE, BROWN, GREEN, YELLOW, GRAY, PINK, BLUE, RED, BLACK, VIOLET, GRAY/PINK |
| 12 POLE | WHITE, BROWN, GREEN, YELLOW, GRAY, PINK, BLUE, RED, BLACK, VIOLET, GRAY/PINK, RED/BLUE |
| 16 POLE | WHITE, BROWN, GREEN, YELLOW, GRAY, PINK, BLUE, RED, BLACK, VIOLET, GRAY/PINK, RED/BLUE, WHITE/GREEN, BROWN/GREEN, WHITE/YELLOW, YELLOW/BROWN |
| 19 POLE | WHITE, BROWN, GREEN, YELLOW, GRAY, PINK, BLUE, RED, BLACK, VIOLET, GRAY/PINK, RED/BLUE, WHITE/GREEN, BROWN/GREEN, WHITE/YELLOW, YELLOW/BROWN, WHITE/GRAY, GRAY/BROWN, WHITE/PINK |
| 25 POLE | WHITE, BROWN, GREEN, YELLOW, GRAY, PINK, BLUE, RED, BLACK, VIOLET, GRAY/PINK, RED/BLUE, WHITE/GREEN, BROWN/GREEN, WHITE/YELLOW, YELLOW/BROWN, WHITE/GRAY, GRAY/BROWN, WHITE/PINK, PINK/BROWN, WHITE/BLUE, BROWN/BLUE, WHITE/RED, BROWN/RED, WHITE/BLACK |



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| DESC: | | UNITS: IN | | SCALE: 24:1 | ITEM | NOTES | | |
|---------------|--------------------|------------------|-----------|--|------------|----------|-----------|-----------------|
| AWG | COND. | FILLER | JACKET WT | CORE O.D. | O.D. | INNER WT | INNER OD | NWI P/N |
| CUSTOMER: NA | NWI P/N: ENDUR-XM | DWG NO: ENDUR-XM | | 30 MILS MIN. AVERAGE JACKET WALL/24 MILS MIN. AT ANY POINT | | | | |
| CUST. P/N: NA | DRAWN: A. SPALDING | DATE: 1/15/2014 | | 35 MILS MIN. AVERAGE JACKET WALL/28 MILS MIN. AT ANY POINT | | | * | |
| | | | | 40 MILS MIN. AVERAGE JACKET WALL/34 MILS MIN. AT ANY POINT | | | + | |
| | | | | 45 MILS MIN. AVERAGE JACKET WALL/38 MILS MIN. AT ANY POINT | | | - | |
| | | | | 50 MILS MIN. AVERAGE JACKET WALL/44 MILS MIN. AT ANY POINT | | | # | |
| 26 | 3 | YES | .030 | .090±.005" | .155±.005" | .009 | .039±.002 | FXM263-001 (N) |
| 26 | 4 | YES | .030 | .100±.005" | .165±.005" | .009 | .039±.002 | FXM264-001 (N) |
| 24 | 3 | YES | .030 | .105±.005" | .170±.005" | .009 | .044±.002 | FXM243-001 (N) |
| 24 | 4 | YES | .030 | .115±.005" | .180±.005" | .009 | .044±.002 | FXM244-001 (N) |
| 24 | 6 | YES | .030 | .140±.005" | .205±.005" | .009 | .044±.002 | FXM246-001 (N) |
| 24 | 8 | YES | .030 | .155±.005" | .220±.005" | .009 | .044±.002 | FXM248-001 (N) |
| 22 | 4 | YES | .030 | .130±.005" | .195±.005" | .009 | .050±.002 | FXM224-001 (N) |
| 22 | 5 | YES | .030 | .145±.005" | .210±.005" | .009 | .050±.002 | FXM225-001 (N) |
| 22 | 6 | YES | .030 | .160±.005" | .225±.005" | .009 | .050±.002 | FXM226-001 (N) |
| 22 | 8 | YES | .030 | .175±.005" | .240±.005" | .009 | .050±.002 | FXM228-001 (N) |
| 20 | 2 | YES | .030 | .124±.005" | .190±.005" | .009 | .057±.002 | FXM202-001 (N) |
| 20 | 3 | YES | .030 | .130±.005" | .195±.005" | .009 | .057±.002 | FXM203-001 (N) |
| 20 | 4 | YES | .030 | .145±.005" | .210±.005" | .009 | .057±.002 | FXM204-001 (N) |
| 20 | 5 | YES | .030 | .160±.005" | .225±.005" | .009 | .057±.002 | FXM205-001 (N) |
| 20 | 6 | YES | .030 | .180±.005" | .245±.005" | .009 | .057±.002 | FXM206-001 (N) |
| 20 | 8 | YES | .030 | .200±.005" | .265±.005" | .009 | .057±.002 | FXM208-001 (N) |
| 20 | 12 | NO | .030 | .245±.005" | .310±.005" | .009 | .057±.002 | FXM2012-001 (N) |
| *20 | 16 | YES | .035 | .275±.005" | .350±.005" | .009 | .057±.002 | FXM2016-001 (N) |
| +20 | 25 | YES | .040 | .350±.010" | .435±.010" | .009 | .057±.002 | FXM2025-001 (N) |
| 18 | 2 | YES | .030 | .150±.005" | .215±.005" | .009 | .070±.002 | FXM182-001 (N) |
| 18 | 3 | YES | .030 | .160±.005" | .220±.005" | .009 | .070±.002 | FXM183-001 (N) |
| 18 | 4 | YES | .030 | .180±.005" | .245±.005" | .009 | .070±.002 | FXM184-001 (N) |
| 18 | 5 | YES | .030 | .200±.005" | .260±.005" | .009 | .070±.002 | FXM185-001 (N) |
| 18 | 6 | YES | .030 | .220±.005" | .285±.005" | .009 | .070±.002 | FXM186-001 (N) |
| *18 | 8 | YES | .035 | .245±.005" | .320±.005" | .009 | .070±.002 | FXM188-001 (N) |
| *18 | 12 | NO | .035 | .300±.007" | .375±.007" | .009 | .070±.002 | FXM1812-001 (N) |
| +18 | 16 | YES | .040 | .340±.010" | .425±.010" | .009 | .070±.002 | FXM1816-001 (N) |
| -18 | 19 | NO | .045 | .360±.010" | .455±.010" | .009 | .070±.002 | FXM1819-001 (N) |
| #18 | 25 | YES | .050 | .430±.010" | .535±.010" | .009 | .070±.002 | FXM1825-001 (N) |



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DESC:

CUSTOMER: NA

CUST. P/N: NA

NWI P/N: ENDUR-XM

DRAWN: A. SPALDING

UNITS: IN SCALE: 60:1

DWG NO: ENDUR-XM

DATE: 1/15/2014 REV: H

ELECTRICAL REQUIREMENTS

NONE SPECIFIED

MECHANICAL REQUIREMENTS

10 MILLION TORSIONAL FLEX TEST



| | | | |
|--|------|-----------|-----|
| INSULATION WAS POLYESTER HYTREL; CONDUCTOR O.D. CHANGED ON 26 - 20 AWG; CORE AND FINISHED O.D. CHANGES AS NEEDED | H | 5/27/16 | DPL |
| UPDATED LEGEND TO CURRENT VERSION | G | 6/6/2014 | NAS |
| UPDATED JACKET WALL THICKNESSES | F | 3/14/2014 | NAS |
| REDRAW IN SOLIDWORKS, ADDED TOLERANCES | E | 1/15/2014 | NAS |
| REVISION RECORD | REV. | REV DATE | APR |
| REVISIONS | | | |