



TE Wire & Cable

The most trusted name in thermocouple wire since 1947
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PRODUCT SPECIFICATION: QW19764

18 AWG, type KX, XLPE ins, unshielded, XLPE jkt. LSZH

DRAWN: M. PETERS 7/14/2017 REVISION APPROVED BY DATE

CHECKED: D M. PETERS 10/6/2017

CUSTOMER APP.:

Manufacturing description: XLPE/XLPETWK-08-18F-KX SP

Construction Details

Conductor 18 AWG, stranded thermocouple, extension grade, type KX per ASTM E230 & ANSI MC96.1

Nominal Diameter: .046 +/- .001".

Insulation

Extruded LSZH XLPE

Color Code: (+) Yellow-BW1232-KXP; (-) Red-BW1233-KXN

Nominal Wall Thickness: 0.025 in (.6 mm) +/- .003".

Nominal Diameter: .096 in (2.4 mm) +/- .003".

Cabling

(8) Pairs are twisted together (1-7 lay-up) and helically wrapped with mylar tape.

Nominal Diameter: .546 in (13.9 mm).

Jacket

Extruded LSZH XLPE

Color: Black

Nominal Wall Thickness: 0.065 in (1.7 mm).

Nominal Diameter: .670 (17.0 mm).

Marking Legend: TE WIRE & CABLE RSCC EXANE-ZH DAA1105A 8 PR 18 AWG

LSX/L 90C IEEC 1202 IEC 60332-3-22 CAT A/F ABS DNV CCS LLOYDS

(UL) 1309 TP18X110XP-8 FT4 110C TO -40C E60263"G" (UL) 90C

WET TYPE TC LS FT4 IEEC 1202 SUN RES THCPL EXTN EZ16018-600

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Other

Temperature rating: 257F (125C).

Low Smoke Zero Halogen

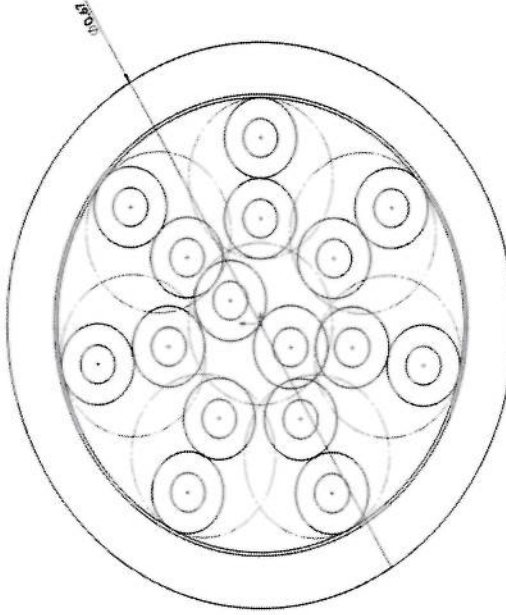
Min bend radius: 5.36 in (136.1 mm)

Performance Standards: IEEC 1580, EN 45545, UL1309, UL1277

Test Report: IEC 60332, IEC 61034, IEC 60754

Approvals: ABS, DNV, GL, and Lloyd's Register, CCS

Rated 300 V



App'd by Caterpillar Inc
Mark A
ENGINEERING PROJECT TEAM LEADER
10-9-17

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