INDUSTRIAL THERMOCOUPLES

CODE | HEAD EXTENSION | NEMA | CONNECTION HEAD
--- | --- | --- | ---
A | 2 | NIPPLE (NOTE 1) | ALUMINUM (NOTE 2)
4 | NIPPLE/UNION/NIPPLE (NOTE 1)
B | AN | ALUMINUM | WATER PROOF
SN | STAINLESS STEEL | WATER PROOF, CORROSION RESISTANT
AE | STAINLESS STEEL | EXPLOSION PROOF, CORROSION RESISTANT
SE | STAINLESS STEEL | EXPLOSION PROOF, FM, CSA APPROVED (NOTES 2 & 3)
XD | ALUMINUM | WEATHER PROOF, RUGGED
A | CAST IRON | WEATHER PROOF, LIGHT WEIGHT
L | POLYPROPYLENE | WEATHER PROOF, LIGHT WEIGHT
AX | ALUMINUM, LARGE DEVICE, EPOXY COATED | EXPLOSION PROOF, ATEX APPROVED (NOTE 3)

CODE | CONDUIT OPENING | CODE | TUBE OPENING | CODE | "A" LENGTH
--- | --- | --- | --- | --- | ---
C | 1/2 or 3/4 NPT | D | 1/2 | E | 2" NIPS

CODE | ELEMENT CONSTRUCTION |
--- | ---
S | SINGLE | D | DUPLEX |
WIRE SIZE | INSULATION | SPRING LOADED
--- | --- | ---
ASL18 | ADSL18 | 1/8" | 24 | Ni-CORE SHEATH | NO
ASL16 | ADSL16 | 3/16" | 20 | Ni-CORE SHEATH | NO
ASL16 | ADSL16 | 3/16" | 20 | Ni-CORE SHEATH | NO
ASL14 | AD14 | 1/4" | 18 | Ni-CORE SHEATH | NO
ASL14 | ADSL14 | 1/4" | 18 | Ni-CORE SHEATH | NO
ASL16 | ADSL16 | 3/16" | 18 | Ni-CORE SHEATH | NO
ASL16 | ADSL16 | 3/16" | 18 | Ni-CORE SHEATH | NO
ASL16 | ADSL16 | 3/16" | 18 | Ni-CORE SHEATH | NO
B14 | BD14 | 3/8" | 14 | CERAMIC BEAD | NO
B20 | BD20 | 1/2" | 20 | CERAMIC BEAD | NO

CODE | STANDARD SPECIAL (NOTE 4) | CALIBRATION
--- | --- | ---
J | JJ | IRON (+) vs CONSTANTh (+)
K | KK | IRON (+) vs ALUMINUM (+)
T | TT | COPPER (+) vs CONSTANTh (+)
EE | EE | CHROMEL (+) vs CONSTANTh (+)
NN | NN | NICKEL (+) vs Ni-CORE (+)
KS | KS | CHROMEL (+) vs ALUMINUM (-)
KS | KS | CHROMEL (+) vs CONSTANT (+)

CODE | MEASURING JUNCTION |
--- | ---
G | SINGLE GROUNDED, GROUNDED TO SLEEVE |
H | SINGLE UNGROUNDED, ISOLATED FROM SHEATH |
D | DUPLEX GROUNDED, GROUNDED TO SHEATH |
Q | DUPLEX UNGROUNDED, ISOLATED FROM SHEATH |

CODE | ELEMENT SHEATH MATERIAL | STANDARD CALIBRATIONS (NOTE 5)
--- | --- | ---
J | 304 STAINLESS STEEL, 316 STAINLESS STEEL |
K | 310 STAINLESS STEEL |
R | INCONEL 600 |
Q | INCONEL 603 |

DROP CODE WHEN USING CERAMIC BEADED ELEMENTS

CODE | WELL TYPE |
--- | ---
K | DD-1 |
47 | .750 | .875 | .885 |
48 | .750 | .875 | .885 |

CODE | WELL MATERIAL |
--- | ---
L | P | 304 STAINLESS STEEL |
| Q | 310 STAINLESS STEEL |
| R | 316 STAINLESS STEEL |
| FLPRL | 304/304L S.S., (LOW CARBON) |
| N | CARBON STEEL |
| J | INCONEL 600 |
| H | HASTELLOY C22 |

CODE | WELL LENGTH |
--- | ---
M | R IC CHNCE |
N | U IC CHNCE |

CODE | FLANGE SIZE |
--- | ---
P | SPECIFY |

CODE | FLANGE RATING |
--- | ---
Q | SPECIFY |

CODE | FLANGE TYPE |
--- | ---
R | FF | FLAT FACE |
| RP | RAISED FACE |
| RJ | RING TYPE JOINT |

EXAMPLE: 4 AE 1/2 - 1/2 - 6 - ASL14 J G P - 47 R 2.25 - 12 - 1.5 - 300 RF (N) (FP)

Notes:
(1) Standard Nipples - Steel, Schedule 40.
(2) Standard Unions - Black Malleable Iron, 150#.
(3) Optional Stainless Steel.
(5) KKS & EES denotes stabilized thermocouple and special tolerance.
(6) Contact factory for other calibration and sheath combinations.
(7) For an item that does not fall within the catalog description an (SF) can be added to the ordering code as part of a custom construction.

SECTION INTG

DRILLED FLANGED WELL ASSEMBLIES
TAPERED CONSTRUCTION

TEMPERATURE MEASUREMENT DESIGNER’S GUIDE
WWW.THERMO-ELECTRIC-DIRECT.COM

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