

# Wiring Guide

Easily verify which wire colors represent excitation, signal, sense and shield lines for a range of load cell brands and models.

| MANUFACTURER                  | MODELS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EXCITATION |         | SIGNAL  |         | SENSE    |          | SHIELD   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---------|---------|----------|----------|----------|
|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | +          | -       | +       | -       | +        | -        |          |
| ARTECH                        | Standard color code listed, other combinations may be available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Bare   |
| CARDINAL                      | CB6, SCA, LFB, SB, SP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ● Green    | ● Black | ● Red   | ○ White | X        | X        | ● Bare   |
|                               | DB, TSP, TB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Bare   |
|                               | HBB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ● Red      | ● Black | ● Green | ○ White | ● Brown  | ● Yellow | ● Bare   |
| COTI GLOBAL                   | Standard color code listed, other combinations may be available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Yellow |
| DILLON                        | Canister Cell, Tension                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ● Green    | ○ White | ● Black | ● Red   | X        | X        | ● Orange |
|                               | Compression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ○ White    | ● Green | ● Black | ● Red   | X        | X        | ● Orange |
|                               | Z-Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ● Red      | ● Black | ○ White | ● Green | X        | X        | ● Orange |
| FLINTEC                       | PC1, PC6, RC1, SB4, SB5, SB6, SB14, SLB, UB1, UB6, SB10, PB, PCB, BK2, RC3, PC3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Yellow |
|                               | PC2, PC7, PC4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ● Green    | ● Black | ○ White | ● Red   | ● Blue   | ● Brown  | ● Yellow |
| HBK                           | BLC, BLF, JRT, PWS, RSC, SBF, SB3, USB, U1T, H35, THC, BBS, PWS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Yellow |
|                               | PLC, B35, A35, S35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Yellow |
|                               | SP10, PWSM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ● Green    | ● Black | ○ White | ● Red   | ● Orange | ● Blue   | ● Yellow |
|                               | PW12, PW16, C16A, PW15, Z6, SP4, SP4M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ● Blue     | ● Black | ○ White | ● Red   | ● Green  | ○ Grey   | ● Bare   |
|                               | PW15AH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ● Blue     | ● Black | ○ White | ● Red   | ● Green  | ○ Grey   | ● Yellow |
| INTERFACE                     | SSM, 1200, 3200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Bare   |
|                               | SML, WMC Miniature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ● Red      | ● Black | ○ White | ● Green | X        | X        | ● Bare   |
| RICE LAKE<br>WEIGHING SYSTEMS | RL20000I, RL20000SS, RL20000ST, RL20001, RL20001HE, RLETS, RL30000I, RL32019S-HE, RL32018, RL32018 MLC Coated, RL32018S, RL32018S-HE, RL30002, RL35023, RL35023S MLC Coated, RL35082, RL35083, RL39123, RL39523, RL50210, RL72020, RL72020SS, RL72020 MLC Coated, RL75016SS-W, RL75058-LP, RL75058S-LP, RL50210SS, RL70000, RL75016, RL75016 MLC Coated, RL75016SS, RL75040, RL75058I, RL75060S, RL75223, RL77032, RL77032 MLC Coated, RL77032SS, RL77032SS-HE, RL90000, RLETB, RLHSS, RLMK4, RL75016WHE, RL60040SS, RL3030, RL51000, RL70000SS, RL71000HE, RL32218S-HE, RL32018S-P, RL50219SS, RL72019SS | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Bare   |
|                               | RLDB50000S, RL2200, RL2200SS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ● Red      | ● Black | ○ White | ● Green | X        | X        | ● Bare   |
|                               | RLMK15, RLMK21, RL72010MH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Orange |
|                               | RLMK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ● Red      | ● Black | ○ White | ● Green | ● Yellow | ● Blue   | ● Orange |
|                               | RL1521A, RLFLS, RL32022, RL32022S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ● Green    | ● Black | ● Red   | ○ White | X        | X        | ● Bare   |
|                               | RL40BBS, RLBL, RLSB2, RLSB2M, RLSB2MLW, RLSB250, RLSB250T, RLSSB, RL9000TWM, RL9000TWM-HT, RL75114, RLSCA, RLBLP, RL32011WB-L, RL32011WB-T, RL2010, RL32018-T, RL32018S-T                                                                                                                                                                                                                                                                                                                                                                                                                                 | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Bare   |
|                               | RL8C2P1SST, RLCSPI, RL75000SS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Orange |
|                               | RL1380, RL1385, RLH35, RL30745, RL70510, RL80453, RLPC6, RLPC3SS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Yellow |
|                               | RL1010, RL1040, RL1042, RL1140, RL1250, RL1260, RLPWM12, RLPWM16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ● Green    | ● Black | ● Red   | ○ White | ● Blue   | ● Brown  | ● Bare   |
|                               | RLSP4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ● Green    | ● Black | ● Red   | ○ White | ● Blue   | ● Brown  | ● Yellow |
|                               | RLPCB-60, RLPC4SS-HE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ● Green    | ● Black | ○ White | ● Red   | ● Blue   | ● Brown  | ● Yellow |
|                               | RLHBB, RLHTO, RLPWM15HE, RLPWM15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ● Blue     | ● Black | ○ White | ● Red   | ● Green  | ○ Grey   | ● Bare   |
|                               | RL9018SS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ● Blue     | ● Black | ○ White | ● Red   | ● Green  | ● Yellow | ● Bare   |
|                               | RL32155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ○ White    | ● Blue  | ● Green | ● Black | ● Yellow | ● Red    | ● Orange |
|                               | RL42018A, RL1218A, RL260FD, RL26018A, RL82021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ● Green    | ● Black | ● Red   | ○ White | ● Blue   | ● Yellow | ● Bare   |
| VPG BLH                       | C2P1, C3P1, T2P1, T3P1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Yellow |
| VPG CELTRON                   | PSD, SEB, LCD, CSB, DSR, DSR-HSS, LOC, SQB, SQB-HSS, STC, STC SS, LPS, STC-HSS, CLB, DLB, HTC SS, MBB, MDB, HOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Bare   |
| VPG REVERE                    | 62U, 63U, 363, 953, 9523, 9363, 92, 93, 42U, 43U, 263D, 462, 5102, 5103, 5123, 5223, 5723, 6762, 9102, 9103, 9123, 9523, 9223, 9803, 9323, 9423                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Bare   |
|                               | 392B, 642, 652, 692B, BSP, HPS, HPSM, USP1, 792, 933, ASC, CP, CSP, SHB, SSB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Bare   |
|                               | RLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ● Pink     | ○ Grey  | ● Brown | ○ White | X        | X        | ● Bare   |
|                               | ACB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ● Green    | ● Black | ○ White | ● Red   | ● Yellow | ● Blue   | ● Bare   |
| VPG SENSORTRONICS             | 60001, 60008, 60018, 60030, 60036, 60040, 60048, 60048SS, 60050, 60051, 60060, 60063, 65007, 65016, 65016A, 65016SS, 65016W, 65016WH, 65023A, 65023S, 65023SS, 65024, 65040A, 65040S, 65058A, 65058S, 65061A, 65083, 65083S, 65114                                                                                                                                                                                                                                                                                                                                                                        | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Bare   |
|                               | 60007, 60064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Bare   |
|                               | 65088                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ● Green    | ● Black | ○ White | ● Red   | X        | X        | ● Orange |
| VPG TEDEA-HUNTLEIGH           | 4158                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ● Red      | ● Black | ● Green | ○ White | X        | X        | ● Bare   |
|                               | 3411, 3421                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ● Red      | ● Black | ● Green | ○ White | ● Blue   | ● Brown  | ● Bare   |
|                               | 120, 240, 1010, 1015, 1040, 1042, 1140, 1142, 1250, 1260, 1320, 605, 1030, 1240, 1241, 9010, 1130, 1030, 1510, 1260S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ● Green    | ● Black | ● Red   | ○ White | ● Blue   | ● Brown  | ● Bare   |
|                               | 220, 355, 620, 3510                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ● Blue     | ● Black | ○ White | ● Red   | ● Green  | ○ Grey   | ● Bare   |
|                               | 1263, 380, 1022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ● Green    | ● Black | ● Red   | ○ White | X        | X        | ● Bare   |

**RICE LAKE**  
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Specifications subject to change without notice.

