Twisted pair wires. Can be found in CAT5/6 cable. Runs can be up to 4000 feet long. A run could be between an Omnimeter and a 485Bee, between the Push3 and a 485Bee, a daisy chain of Omnimeters, etc. Up to 128 Omnimeters can be daisy chained, on the same RS-485 bus, to each Push3 gateway and/or 485Bee. The distance between 485Bees can be up to 600 feet under Water Meter standard conditions, more if conditions are optimized. The ➡ Gas Meter Gas Meter viable distance will decrease based on environmental factors, e.g. obstacles between the 485Bees that impede the data transmission. Additional 485Bees can be added to create a mesh network, which make it possible to bounce the transmission around or over obstacles. 12v A B Gnd 22 21 20 19 18 17 16 15 14 13 12 11 G B- A+ OUT1 OUT2 G +800 +1-800 G In1 In2 In3 kWh RS-485 Outputs Inputs  $\square$ **Push3 Gateway EICM METERING** Omnimeter Pulse UL v.4 800 p/kWi Ethernet 1Ф2W, 1Ф3W, 3Ф3W, 3Ф4W Universal kWh Meter 1x120-240V, 2x120-240V, 3x120-240Vac 50/60Hz 10(200)A CL200 TA=30 Kh/Kt=1.25 CTR=200A:26.6mA моd. EKM-OMUL4 S/N 00000000000 L2 L3 Ν (ста ſСТÍ 8 9 10 1 2 3 4 5 6  $\bigcirc$  $\bigcirc$ Line1 Line2 CT2 Ν