

ECE 5671/6671 - Electric Generators

List of cables -- Nov. 4, 2015

#1. Encoder to dSPACE cable

[Banana-banana cables]

- #2. Quad bundle - Grid to grid connection box (grid side A/B/C/N), 12in, Wht/Blu/Yel/Grn
- #3. Double bundle - Grid connection box (generator side A/B) to current sensor, 12in, Wht/Blu
- #4. Double bundle - Current sensor to generator stator (A/B), 12in, Wht/Blu
- #5. Single cable - Grid connection box (generator side C) to generator stator (C), 24in, Yel
- #6. Triple bundle - Hirel board to generator rotor (X/Y/Z), 24in, Wht/Blu/Yel
- #7. Double bundle - Hirel board to DC motor (+/-), 24in, Red/Blk
- #8. Double bundle - DC supply to Hirel board (+/-), 32in, Red/Blk

[BNC-BNC cables]

- #9. Triple bundle - Grid connection box (generator side) to dSPACE, 24in, Wht/Blu/Yel tags
- #10. Single cable - dSPACE to grid connection box (relay input), 24in, Blk tag
- #11. Double bundle - Grid connection box (grid side) to scope, 32in, Wht/Blu tags
- #12. Double bundle - Grid connection box (generator side) to scope, 32in, Wht/Blu tags
- #13. Single cable - Hirel to A/D (generator excitation current), 32in, Blu tag
- #14. Single cable - Hirel to A/D (DC motor current), 32in, Red tag
- #15. Triple bundle - Grid connection box (grid side) to dSPACE, 24in, Wht/Blu/Yel tags

In addition: 6 BNC T connectors

Note: labs do not require all cables, but no additional cables should be needed.